

QUICK-REFERENCE GUIDE

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AIRTRONIC S2/M2 DIESEL AIR HEATER - 7,500 BTU / 13,600 BTU

		Heater	Harness	Fuel System	Ducting	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Manuals
AIRTRONIC S2/M2												
S2 D2L 12V Commercial with fuel pump - No installation parts	25 2721 05 00 00	■										■
S2 D2L 24V Commercial with fuel pump - No installation parts	25 2726 05 00 00	■										■
M2 D4L 12V Commercial with fuel pump - No installation parts	25 2720 05 00 00	■										■
M2 D4L 24V Commercial with fuel pump - No installation parts	25 2729 05 00 00	■										■
AIRTRONIC S2/M2 HEATER WITH INSTALLATION KIT												
S2 D2L Install Kit 12V RECOMMENDED	20 2827 21 02 00	■	■	■	■	■			■	■	■	■
S2 D2L Install Kit 12V w/ EasyStart Pro and Universal pick up pipe	20 2827 21 02 01	■	■	■	■	■	■	■	■	■	■	■
S2 D2L Install Kit 24V	20 2827 26 02 00	■	■	■	■	■			■	■	■	■
M2 D4L Install Kit 12V	20 2827 20 04 00	■	■	■	■	■			■	■	■	■
M2 D4L Install Kit 24V	20 2827 29 04 00	■	■	■	■	■			■	■	■	■
RETURN AIR KIT												
60mm D2 Airtronic	20 2800 50 02 02											
75mm B/D4 Airtronic	20 2800 50 04 00											

AIRTRONIC M2 B4 GASOLINE AIR HEATER - 13,600 BTU

		Heater	Harness	Fuel System	Ducting	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Manuals
AIRTRONIC M2 B4 - GASOLINE												
Gasoline M2 B4L 12V Commercial with fuel pump	20 1987 05 00 00	■										■
AIRTRONIC M2 B4 - GASOLINE HEATER WITH INSTALLATION KIT												
M2 B4L 12V Install Kit	20 2819 87 04 00	■	■	■	■	■			■	■	■	■

■ Unrestricted use



HARDWARE KIT INCLUDES:

- | | | | |
|-------------|-----------------|----------------|------------------|
| Fuel Clamps | Grommets | Ducting Clamps | End Caps |
| Nuts | Exhaust Clamps | Washers | Exhaust Brackets |
| Cable Ties | Mounting Screws | Routing Clamps | |

FUEL SYSTEM INCLUDES:

- Clamps
- 5 mm Fuel Line
- Plastic Fuel Line
- 3.5 mm Fuel Line

Refer to the Accessories Section for ducting components and additional accessories.

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AIRTRONIC L1/B5 GASOLINE AIR HEATER - 18,800 BTU

AIRTRONIC L1/D5 DIESEL AIR HEATER - 18,800 BTU

		Heater	Harness	Fuel System	Ducting	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Manuals
AIRTRONIC L1/B5 - GASOLINE												
Basic Heater 12V with fuel pump with outlet hood	20 1859 05 00 00	■										■
AIRTRONIC L1/D5 - DIESEL												
Basic Heater 12V with fuel pump with outlet hood	25 2361 05 00 00	■										■
Basic Heater 24V with fuel pump with outlet hood	25 2362 05 00 00	■										■
UNIVERSAL INSTALL KITS												
JE Universal Installation Kit 12V and 24V	25 2361 80 00 00		■	■	■				■	■	■	
Eberspaecher Universal Installation Kit 12V and 24V	20 2823 61 05 80		■	■	■			■	■	■	■	
AIRTRONIC D5 TRUCK KITS - DIESEL												
Truck Kit 12V w/Rheostat Switch	20 2823 61 05 10	■	■	■		■	■	■	■	■	■	■
Truck Kit 12V w/Digi-Max	20 2823 61 05 11	■	■	■		■	■	■	■	■	■	■
CARGO KITS												
Cargo Kit 12V w/Thermostat Does Not Include Heater	20 2900 00 05 50		■	■		x	■	■	■	●	■	
Echo 5 Cargo Kit (See page 9)	20 2823 61 05 18	■	■	■		■	■	■	■	■	■	■

■ Unrestricted use

■ x Cargo bracket

■ ● Exhaust with plate



HARDWARE KIT INCLUDES:

- Fuel Clamps
- Exhaust Clamps
- Washers
- Exhaust Brackets
- Nuts
- Mounting Screws
- Routing Clamps
- End Caps
- Cable Ties
- Ducting Clamps

FUEL SYSTEM INCLUDES:

- Clamps
- 5 mm Fuel Line
- Plastic Fuel Line
- 3.5 mm Fuel Line

Refer to the Accessories Section for ducting components and additional accessories.

D8LC

DIESEL AIR HEATER - 27,300 BTU

PLEASE NOTE:

- No installation kits available for this heater.

D8LC		
Basic Heater 12 volt		25 1890 00 00 00
INCLUDES:	Control Unit Fuel Pump Rheostat Switch External Temperature Sensor Combustion Air Tube Shock Mounts Mounting Bracket (large) Mounting Bracket (small)	
Basic Heater 24 volt		25 1891 00 00 00
INCLUDES:	Control Unit Fuel Pump Rheostat Switch External Temperature Sensor Combustion Air Tube Shock Mounts Mounting Bracket (large) Mounting Bracket (small)	
Accessories		
Harness		
	External Harness 20 feet	20 2900 70 08 02
Fuel		
	Fuel line 5.0mm black rubber, suction side	360 75 350
	Fuel line 2.0mm white plastic, pressure side	890 31 055
	Fuel line connector piece 3.5mm for 2mm fuel line	360 75 300
	Fuel pick-up pipe 4mm	20 2900 20 20 50
	Clamp 9mm for 3.5mm hose	10 2068 00 90 98
	Clamp 11mm for 5mm hose	10 2068 01 10 98
Exhaust		
	Flexible stainless steel exhaust 42mm	5530013
	Exhaust clamp	152 09 004
	Exhaust end cap for 42mm	22 1000 40 02 00
	Flexible air intake 30mm SPECIAL ORDER	10 2114 25 00 00
Controls		
	Thermostat 12 volt	5670097
	Thermostat 24 volt	5670096
Cargo Kit		
	Echo 8 Cargo kit (see page 11)	20 2818 90 0828

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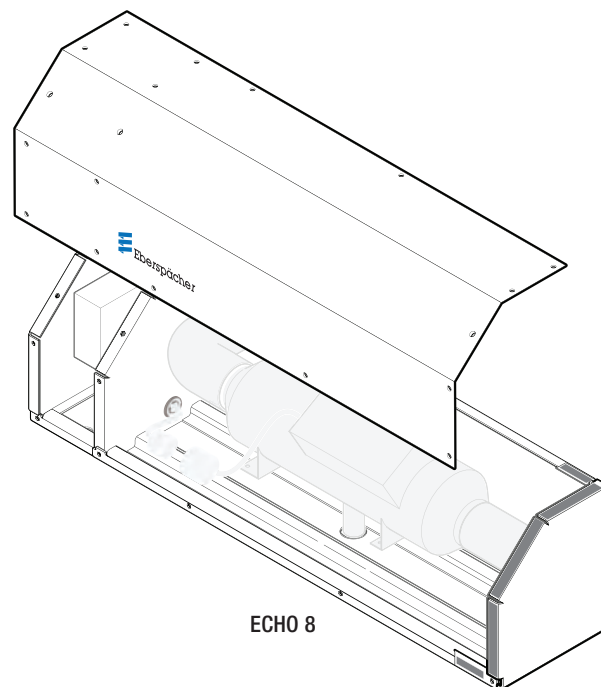
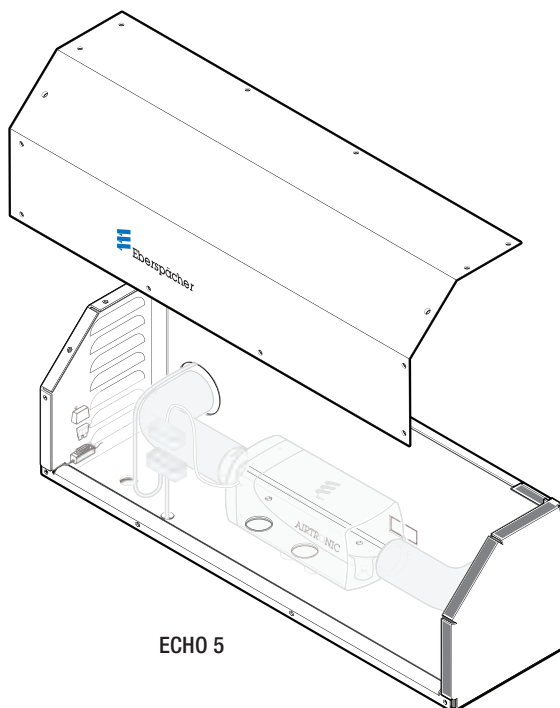
Refer to the Accessories Section for ducting components and additional accessories.

ECHO CARGO KIT

ECHO 5 (AIRTRONIC D5 HEATER Nose Mount)	20 2823 61 05 18
INCLUDES:	<ul style="list-style-type: none"> Mounting Box Mounting Bracket Exhaust shield Fuel metering pump and Mounting box DIGI MAX Controller with remote temp sensor Heater Harness Fuel lines Air Ducting Fuel Pickup pipe

ECHO 8 (D8LC Nose Mount)	20 2818 90 08 28
INCLUDES:	<ul style="list-style-type: none"> Mounting Box Mounting Bracket Exhaust shield Fuel metering pump and Mounting box DIGI MAX Controller with remote temp sensor Heater Harness Fuel lines Air Ducting Fuel Pickup pipe

REPLACEMENT PARTS	
ECHO 8 Mounting Box Base	20 2900 40 80 01
ECHO 8 Mounting Box Lid	20 2900 40 80 02
Shield SS	20 2900 40 80 03
Mounting Bracket	20 2900 40 80 04
Power Receptable Box Assy ECHO 8	20 2900 40 80 05
Base ECHO 5 Box White	20 2900 40 05 01
Lid ECHO 5 Box White	20 2900 40 05 02

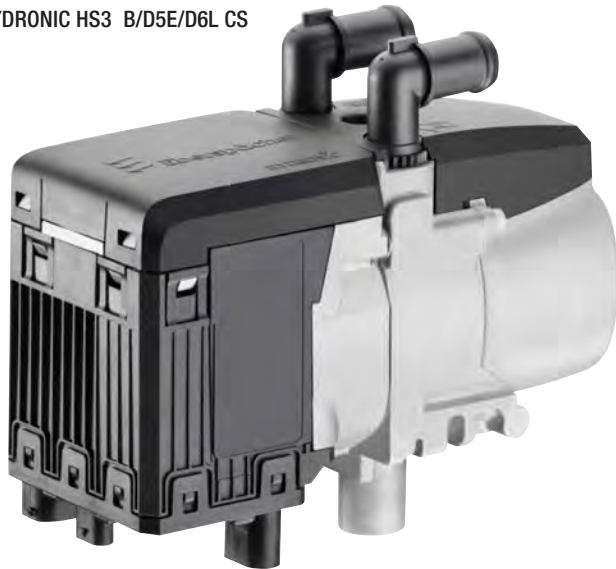


HYDRONIC HS3 CS COOLANT HEATER - 17,100 BTU

		Heater	Harness	Fuel System	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Boxed	Manuals
HYDRONIC HS3 D5E/D6L CS - DIESEL													
D5E 12V Economy with FMP and water pump - No installation parts	25 2934 05 00 00	■											■
D6L 24V Commercial with FMP and water pump - No installation parts	25 2745 05 00 00	■											■
HYDRONIC HS3 D5E/D6L CS - DIESEL HEATER WITH INSTALLATION KIT													
Install Kit HS3 CS D5E 12 V	25 2829 34 05 00	■	■	■	■	■			■	■	■		■
Install Kit HS3 CS D5E Boxed 12 V Right	25 2829 34 05 01	■	■	■	■	■			■	■	■	■	■
Install Kit HS3 CS D6L 24 V	25 2827 45 06 00	■	■	■	■	■			■	■	■		■
HYDRONIC HS3 B5E CS - GASOLINE													
B5E 12V Economy with FMP and water pump - No installation parts	20 2008 05 00 00	■											■
HYDRONIC HS3 B5E CS - GASOLINE HEATER WITH INSTALLATION KIT													
Install Kit HS3 CS B5E 12 V	25 2820 08 05 00	■	■	■	■	■			■	■	■		■

■ Unrestricted use

HYDRONIC HS3 B/D5E/D6L CS



HARDWARE KIT INCLUDES:

- | | | | |
|-------------|-----------------|----------------|------------------|
| Fuel Clamps | Grommets | Ducting Clamps | End Caps |
| Nuts | Exhaust Clamps | Washers | Exhaust Brackets |
| Cable Ties | Mounting Screws | Routing Clamps | |

FUEL SYSTEM INCLUDES:

- Clamps
- 5 mm Fuel Line
- Plastic Fuel Line
- 3.5 mm Fuel Line

Refer to the Accessories Section for ducting components and additional accessories.

PICK-UP TRUCK KITS HYDRONIC HS3 - 17,100 BTU

GAS KITS						Heater	Harness	Fuel System	Mounting Bracket	Control Device	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Blower Control Option	Manuals
Make	Model	Engine	M/Y													
Heater HS3 B5E 12V CL																
Installation kit ES Ford	Ford	F-150	3.5L V6 or 5.0L V8	2016 and up	24 8000 35 00 16											
Installation kit ES Dodge	Dodge	RAM	5.7L V8	2017 and up	24 8000 35 00 19											
Installation kit ES GMC	GMC	Chevy Sierra/ Silverado	5.3 or 6L V8	2015 and up	24 8000 35 00 20											
DIESEL KITS																
Heater HS3 D5E 12V CL w. prepr. MP																
Installation kit Ford	Ford	F-250/350	6.7L V8	2016 and up	24 8000 35 00 34											
Installation Dodge	Dodge	RAM	6.7L V8	2017 and up	24 8000 35 00 35											
Installation kit GMC	GMC	ChevySierra/ Silverado	6.6L V8	2017 and up	24 8000 35 00 38											
RELATED PARTS																
EasyStart Timer					22 1000 34 15 00											

■ = unrestricted use



HARDWARE KIT INCLUDES:

- Fuel Clamps
- Grommets
- Ducting Clamps
- End Caps
- Nuts
- Exhaust Clamps
- Washers
- Exhaust Brackets
- Cable Ties
- Mounting Screws
- Routing Clamps

FUEL SYSTEM INCLUDES:

- Clamps
- 5 mm Fuel Line
- Plastic Fuel Line
- 3.5 mm Fuel Line

Refer to the Accessories Section for ducting components and additional accessories.

HYDRONIC M-II

SERIES: 27,300, 32,450, 42,000 BTU

HYDRONIC 10 / M

HYDRONIC M8 biodiesel 12 volt	25 2470 05 00 00											
HYDRONIC M8 biodiesel 24 volt	25 2471 05 00 00											
HYDRONIC M10 12 volt	25 2434 05 00 00											
HYDRONIC M10 24 volt	25 2435 05 00 00											
HYDRONIC M12 12 volt	25 2472 05 00 00											
HYDRONIC M12 24 volt	25 2473 05 00 00											
HYDRONIC M12 24 volt w/Hella	25 2725 05 00 00											
HYDRONIC M12 12 volt Boxed Kit	25 2824 72 12 10											
HYDRONIC M12 24 volt Boxed Kit	25 2824 73 12 10											
HYDRONIC M12 12 volt Boxed Kit w/high Capacity Pump	25 2824 72 00 12											
HYDRONIC M12 24 volt Boxed Kit w/high Capacity Pump	25 2824 73 00 24											
HYDRONIC M12 12 volt AfterMarket Kit	25 2825 96 12 00											

UNIVERSAL INSTALLATION KITS

Eberspaecher Universal Install 12V with diagnostic connection	25 2800 90 10 12											
Eberspaecher Universal Install 24V with diagnostic connection	25 2800 90 10 24											

	Heater	Harness	Fuel System	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Boxed	Manuals
HYDRONIC M8 biodiesel 12 volt	■						■					■
HYDRONIC M8 biodiesel 24 volt	■						■					■
HYDRONIC M10 12 volt	■											■
HYDRONIC M10 24 volt	■											■
HYDRONIC M12 12 volt	■											■
HYDRONIC M12 24 volt	■											■
HYDRONIC M12 24 volt w/Hella	■											■
HYDRONIC M12 12 volt Boxed Kit	■	■	■		■		■	■	■	■	■	■
HYDRONIC M12 24 volt Boxed Kit	■	■	■		■		■	■	■	■	■	■
HYDRONIC M12 12 volt Boxed Kit w/high Capacity Pump	■	■	■		■		■	■	■	■	■	■
HYDRONIC M12 24 volt Boxed Kit w/high Capacity Pump	■	■	■		■		■	■	■	■	■	■
HYDRONIC M12 12 volt AfterMarket Kit	■	■	■		■		■	■	■	■	■	■
Eberspaecher Universal Install 12V with diagnostic connection		■	■		■			■	■			
Eberspaecher Universal Install 24V with diagnostic connection		■	■		■			■	■			

■ Unrestricted use



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HYDRONIC M-II — BUILD YOUR OWN KIT SERIES: 42,000 BTU - CARB APPROVED

HYDRONIC M II

STEP 1 - SELECT BASIC KITS:

	Heater	Harness	Fuel System	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Boxed	Manuals
HYDRONIC M12 12 volt, Basic assembly	25 2824 72 12 03											
HYDRONIC M12 24 volt, Basic assembly	25 2824 73 12 01											

STEP 2 - SELECT ONE OF THE FOLLOWING CONTROL OPTIONS

Timer 7 Day W/Diagnostic	22 1000 30 36 00
Timer 7 Day Air + BRKT + Bezel	20 2900 70 02 30
Easy Start Timer	22 1000 34 15 00
Multi Max F-1000 Controller	20 2800 70 16 00
Programmable Timer With LVD	25 2800 70 10 10
Programmable Timer With LVD Dual Input	25 2800 70 20 20
Pro. Timer w/LVD Dual Output Switch	25 2800 70 30 30
Push Button with 24" Leads	25 2800 70 30 35

STEP 3 - SELECT FUEL PICKUP PIPE OPTIONS

Fuel Pick Up Pipe 4mm with 1/2 NPT	20 2900 20 20 50
Pick Up Pipe 4mm ID X 16IN	5520001
Fuel Pipe with Vent 4mm ID - 19.5 IN	20 2900 20 40 06

 Unrestricted use

E-GUARDIAN DIESEL / WATER

E-Guardian HYDRONIC M-II KITS

Boxed M-II 12 KW Heater 12 V Kit 42,000 BTU	25 2824 72 12 02
Boxed M-II 12 KW Heater 12 V New York Kit 42,000 BTU	25 2824 72 12 06

Spare Parts:

E-Guardian Coolant Pump 12 V	25 2596 25 01 00
E-Guardian 12 Replacement Heater	25 2596 05 00 00

Heater	Harness	Fuel System	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Boxed	Manuals
■	■	■		■	■	■	■	■	■	■	■
■											■

■ Unrestricted use



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HARDWARE KIT INCLUDES:

- | | | | |
|-------------|-----------------|----------------|------------------|
| Fuel Clamps | Grommets | Ducting Clamps | End Caps |
| Nuts | Exhaust Clamps | Washers | Exhaust Brackets |
| Cable Ties | Mounting Screws | Routing Clamps | |

FUEL SYSTEM INCLUDES:

- Clamps
- 5 mm Fuel Line
- Plastic Fuel Line
- 3.5 mm Fuel Line

Refer to the Accessories Section for ducting components and additional accessories.

HYDRONIC L-II

SERIES: 55,000, 82,000, 102,000, 120,000 BTU

HYDRONIC L 16		
Basic Heater 24V		25 2486 02 0000
HYDRONIC L 24		
Basic Heater 24 volt		25 2487 02 00 00
HYDRONIC L 24 Compact		
Water pump Flowtronic 5000 and fuel filter pre-assembled		25 2487 05 00 00
HYDRONIC L 30		
Basic Heater 24 volt		25 2599 02 00 00
HYDRONIC L 30 Compact		
Water pump Flowtronic 5000 and fuel filter pre-assembled		25 2599 05 00 00
HYDRONIC L 35		
Basic Heater 24 volt		25 2600 02 00 00
HYDRONIC L 35 Compact		
Water pump Flowtronic 5000 and fuel filter pre-assembled		25 2600 05 00 00

ACCESORIES

HARNESS	Universal Harness	20 2900 70 05 10
	Compact Heater Harness	20 2900 70 05 11
FUEL	Filter kit for basic kit	25 2800 20 00 05
	Nipple and Nut Connectors for compact version (1 required)	20 2900 20 20 71
	Fuel Line 5.0mm black rubber	360 75 350
	Clamps 11mm	10 2068 01 10 98
	Fuel Pick-up with Return	20 2900 20 20 59
EXHAUST	L-II Filter Base and Bracket	25 2488 05 01 00
	Flexible Stainless Steel Exhaust Tube 70mm	5530015
	Muffler Clamp 3"	5530004
PUMPS	Exhaust Elbow (70mm exhaust) D30 / D35	22 1000 40 03 00
	Coolant Pump 24volt (5,000 L/hr)	25 2488 26 00 00
	Flowtronic Coolant Pump 24 volt (6,000 L/hr)	25 2488 25 00 00
CONTROLS	7-Day Timer Kit 24 volt	22 1000 30 36 00
	7-Day Timer Kit 24 volt with Bezel and Mounting Bracket	20 2900 70 02 30
	Bezel and Mounting Bracket for 7-day timer	25 1482 70 01 00



When using Artic Fox Systems, be sure and specify heaters with high capacity pumps.

HYDRONIC L-II OFF HIGHWAY KITS

HYDRONIC L-II OFF HIGHWAY

HYDRONIC 30 L-II Boxed Off-Highway Assembly 12V w/6000 L pump	25 2800 10 3612
HYDRONIC 30 L-II Boxed Off-Highway Assembly 24V w/6000 L pump	25 2800 10 3600
HYDRONIC 35 L-II Boxed Off-Highway Assembly 24V w/6000 L pump	25 2800 10 5624

Heater	Harness	Fuel System	Coolant Hose	Mounting Bracket	Control Options / Timers	Fuel Pickup Pipe	Hardware Kit	Exhaust Pipe	Intake Pipe	Boxed	Manuals
■	■			*			■	■		■	■
■	■			*			■	■		■	■
■	■			*			■	■		■	■

■ Unrestricted use

* Mounting holes on base. No mounting hardware included

Fuel

Hose Fuel 5 x 3mm black rubber	360 75 350
Single Pick-up Pipe 4.0 mm with Return (61 cm or 24")	20 2900 20 20 59
Clamp 11mm, 4 qty.	10 2068 01 10 98

Controls

* See Control Options and Timers in accessories section

- 7-Day Timer with Diagnostics 12 and 24 volt 22 1000 30 3600
- Packaged for Off-Highway and oilfield applications
- 12 and 24 volt options
- Eliminate cold starts
- Minimize diesel exhaust emissions
- Rugged, compact
- Versatile fluid pre-heating
- Standard with pre-heated nozzle










ACCESSORIES PARTS GUIDE



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TIMERS AND CONTROLLERS

							
AVAILABLE FUNCTIONS	DIGI-MAX CONTROLLER	EASYSTART TIMER	EASYSTART PRO CONTROLLER	MULTI-MAX F-1000	PROGRAMMABLE TIMER	7 DAY TIMER	MULTI-FUNCTION
Order number	20 2800 70 15 00	22 1000 34 15 00	20 2800 70 22 00	20 2800 70 16 00	5670433 12V 5670434 24V	22 1000 30 40 00 air 22 1000 30 36 00 coolant	25 2800 70 10 10
Heater On/OFF with status Indicator	■	■	■	■	■	■	■
Run Time limiter with selectable presets	■	■	■	■	■	■	■
Built in diagnostic with fault code display (numerical, verbal or both)	■	■	■	■ Blinking Diagnostic		■	
Clearing codes and unlocking capability	■	■	■	■		■	
Illuminated turn and push control dial			■				
Programmable Timer		■	■	■	■	■	
Multiple Starts - Day / Week		■	■	■	■	■	
Use of residual heat			■				
Synchronization and independency of two parallel controllers (heater switched on one controller may be switched off from the other one, both controllers display same information)			■				
Switching heater into the High Altitude Mode (for supported heaters)			■				
Grouping heaters			■				
Standard Fan Mode		■	■				
Programmable LVD	■	■	■	■			
Low voltage shutdown	■	■	■	■			■
Onboard temperature sensor	■		■				
Setpoint switchable between F and C	■	■	■				








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TIMERS AND CONTROLLERS

							
AVAILABLE FUNCTIONS	DIGI-MAX CONTROLLER	EASYSTART TIMER	EASYSTART PRO CONTROLLER	MULTI-MAX F-1000	PROGRAMMABLE TIMER	7 DAY TIMER	MULTI-FUNCTION
Order number	20 2800 70 15 00	22 1000 34 15 00	20 2800 70 22 00	20 2800 70 16 00	5670433 12V 5670434 24V	22 1000 30 40 00 air 22 1000 30 36 00 coolant	25 2800 70 10 10
Hours meter or reader	■			■			
“Maintenance required” warning	■		■	■			
External control wire or port for use with external devices		■	■	■		■	
Low temperature display	■						
Computer programming via SD card	■						
Computer setup via Easy Scan			■				
Multilingual interface		■	■				
“Check heater” warning	■		■	■			
Ambient Air Temp Sensor	■			■	■ Cabin temp sensor	■	
Diagnostic Code Retrieval	■	■	■	■		■	
Standard Fan Mode	■	■	■	■			
10-Hour Automatic Shutoff	■			■	■ 2 hour max. programmed run time		
Manual Start Mode	■	■	■	■	■	■	■
Program Memory		■	■	■	■	■	
Programmable LVD	■			■		■	
Accepts External Inputs		■	■	■		■	■
AIR HEATERS	■	■	■	■		■	
COOLANT HEATERS		■	■	■	■	■	■

NOTES:

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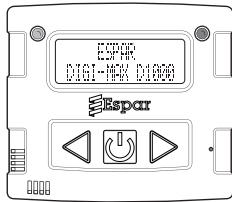
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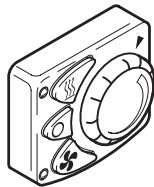
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AIR HEATERS CONTROL OPTIONS AND TIMERS

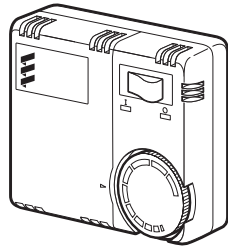
Digi-Max Controller with Diagnostic 12V & 24V



Mini Controller 12 and 24 volt
Mini Controller Knob

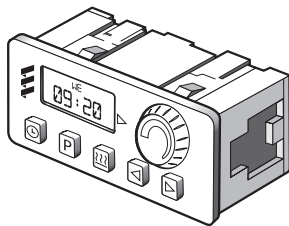


Thermostat



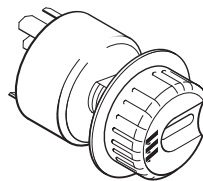
12 volt
24 volt

7-Day Timer



with Diagnostics 12 and 24 volt
7-Day Timer Kit

Rheostat Switch



12 volt
24 volt

Thermostat Switch Harness (4.6M or 15 feet)

Thermostat Bunk Relay Kit



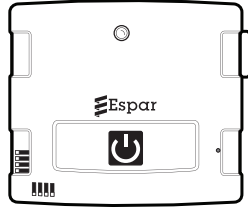
Thermostat only (On/Off)

	Airtronic AX2 D2/D4/B4	Airtronic D2/D4/D5/B4/B5	D8LC	Hydronic HS3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
Digi-Max Controller with Diagnostic 12V & 24V	~	■	■				20 2800 70 15 00
Mini Controller 12 and 24 volt Mini Controller Knob	~	■	■				22 1000 32 07 00 5699849
Thermostat		~	■				5670097 5670096
7-Day Timer		~	■				22 1000 30 40 00 20 2900 70 02 35
Rheostat Switch		~	■				25 1895 71 00 00 25 1896 71 00 00 20 2900 70 01 11
Thermostat Bunk Relay Kit			■				29 2100 30 01 84

■ unrestricted use ~ restricted use no diagnostic

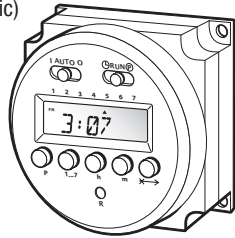
HYDRONIC HEATERS CONTROL OPTIONS AND TIMERS

Multi-Max



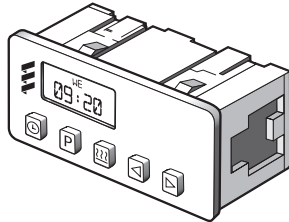
F1000 with PC Programmability & Diagnostic 12 & 24 V

Programmable Timer (No Diagnostic)



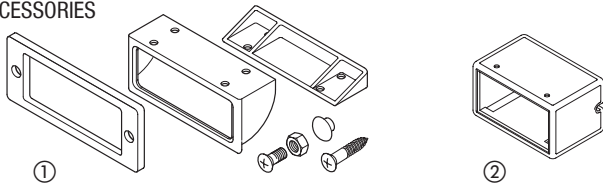
12 V
24 V

7-Day Timer



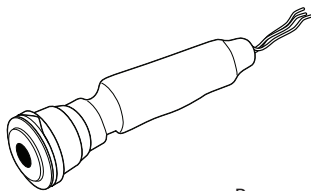
with Diagnostics 12 and 24 volt
7-Day Timer Kit

7-DAY TIMER ACCESSORIES



Complete Bracket Kit with Cosmetic Bezel
Housing for 7-Day Timer
Replacement Bulbs 24 volt (5/bag)
Replacement Bulbs 12 volt (5/bag)

Programmable Timer with LVD

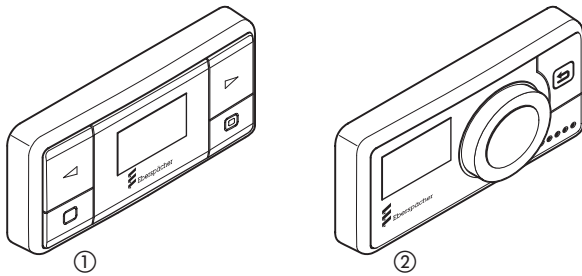


Dual Input
Programmable Timer with LVD, Dual Outputs-Detached
Push button with 24" leads to be used with detached timer

AAirtronic AX2 D2/D4/B4	Airtronic D2/D4/D5/D5/B4/B5	D8LC	Hydronic HS3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
			■	■	■	20 2800 70 16 00
			■	■	■	5670433 5670434
			■	■	■	22 1000 30 36 00 20 2900 70 02 30
			■	■	■	25 1482 70 01 00 ① 25 1482 89 00 15 ② 22 1000 30 89 00 22 1000 30 94 00
			■	■	■	25 2800 70 10 10 25 2800 70 20 20 25 2800 70 30 30 25 2800 70 30 35

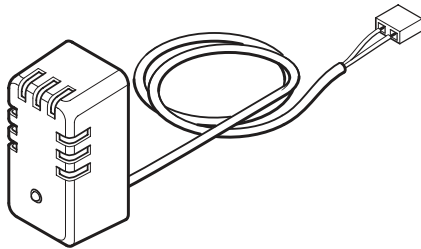
HYDRONIC HEATERS CONTROL OPTIONS AND TIMERS

EasyStart Timer + Braket + Bezel



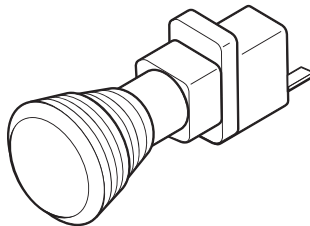
EasyStart Timer
EasyStart Pro with Adaptor

Temperature Sensor



Remote Temperature Sensor (To be used as air heater's external temperature sensor ONLY)
Controller Temperature Sensor (To be used with 7-Day Timer or EasyStart T ONLY)
Controller Temperature Sencor (To be used with Easy Start Timer and Easy Start Call)

Push / Pull Switch



Push / Pull Switch 12 volt
Replacement Bulb 12 volt

	Airtronic AX2 D2/D4/B4	Airtronic D2/D4/D5/B4/B5	D8LC	Hydronic HS3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
EasyStart Timer		■			~	■	22 1000 34 15 00 ①
EasyStart Pro with Adaptor	■			■			20 2800 70 22 00 ②
Remote Temperature Sensor (To be used as air heater's external temperature sensor ONLY)	■	■	■				25 1774 89 03 00
Controller Temperature Sensor (To be used with 7-Day Timer or EasyStart T ONLY)	■	■		■	■	■	22 1000 32 97 00
Controller Temperature Sencor (To be used with Easy Start Timer and Easy Start Call)	■	■		■	■		22 1000 34 22 00
Push / Pull Switch 12 volt					■	■	5670007
Replacement Bulb 12 volt							207 00 005

■ unrestricted use

~ restricted use, no diagnostic

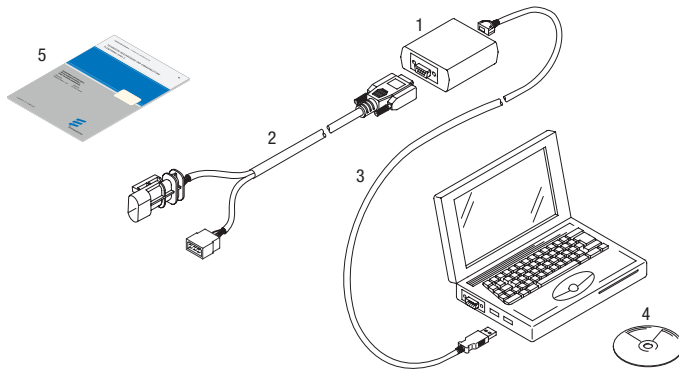
■ Limited Use

■ Works for heater with "H-kit" label

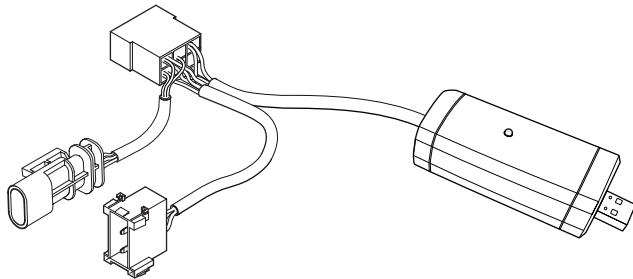
TESTERS / ADAPTERS / SPECIAL TOOLS

All adapters used with Diagnostic Unit and Edith

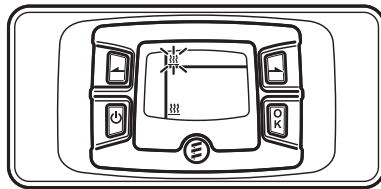
Diagnostic Unit EasyScan



Eberspaecher Universal Diagnostic Tool (EUDT)



Diagnostic Fault Code Retriever



Tester Adapter



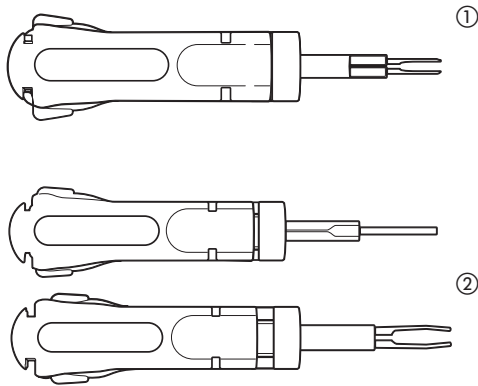
Tester Adapter 8pin to 6pin	*				E	20 2900 70 50 46
Tester Adapter 8pin to 6pin	*					20 2900 70 50 57
Tester Adapter	*	*				22 1000 31 86 00
Tester Adapter						22 1000 31 66 00
Tester Adapter						25 2800 70 10 04
Tester Adapter Hydronic 5E						22 1000 33 78 00
EG-II Diagnostic Adaptor Harness					E	25 2800 70 00 24

Airtronic AX2 D2/D4/B4	Airtronic D2/D4/D5/B4/B5	D8LC	Hydronic 5E	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
						22 1550 89 00 00
			~		#	20 2800 70 12 00
			~			20 2900 70 50 60

unrestricted use E E-Guardian # For frequently diagnostic, use EasyScan * For Airtronic D2/D4 ~ For Hydronic II not HS3

TESTERS / ADAPTERS / SPECIAL TOOLS

Terminal Removal Tool

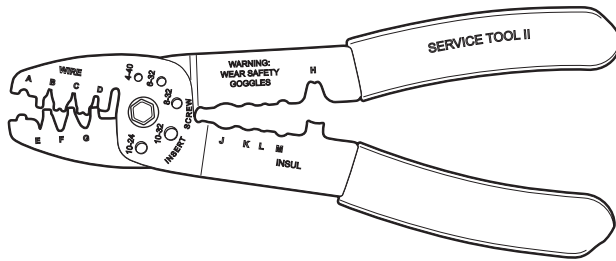


1.6 mm
2.8 mm

Part number

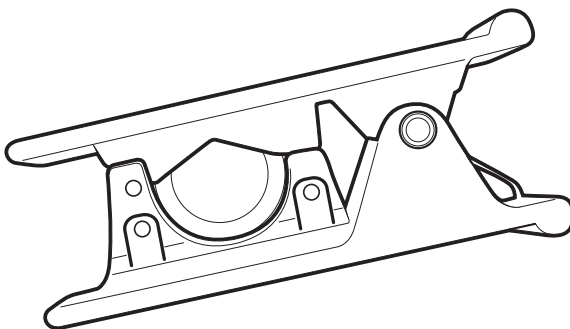
206 00 205 ①
206 00 215 ②

Wire Crimper



5670003

Fuel Line Cutter



5520003

■ unrestricted use ~ restricted use

FUEL SYSTEM

PLEASE NOTE: ■ Refer to Fuel System Guide on page 66, to help plan your fuel system.

Single Pick-up Pipe 2.0 mm Universal **RECOMMENDED**

Single Pick-up Pipe 2.0 mm

Double Pick-up Pipe 2.0 mm

Double Pick-up Pipe 2.0 mm

Fuel Pick-up pipe 2 mm W/FTNG

Dual Vent Fuel Pick-up pipe 2.0 mm

Fuel Pick-up pipe 2.0 mm with Ring Fitting

Single Pick-Up Pipe 4.0 mm universal **RECOMMENDED**

Single Pick-up Pipe 4.0 mm

Fuel Pick-up pipe 4 mm W/FTNG 19.5"

Single Pick-up Pipe 4.0 mm with Return

Compression Fitting 1/4" NPT

Compression Fitting 3/8" NPT

Compression Fitting 1/2" NPT

Compression FTNG 3/4" NPT

Compression FTNG 9/16" w/O-ring

Rubber Seal Ring for Fuel Pick-up Pipe

Automotive Fuel Pick-up Assembly

(Drill or 1/4" NPT fitting) (66 cm or 26")

(66 cm or 26")

(56 cm or 22")

(1/2" NPT) (66 cm or 26")

(59.5 cm or 23.5") - Vent fitting 1/2" NPT

(61 cm or 26") - Vent fitting 1/2" 14 NPT

(66 cm or 24")

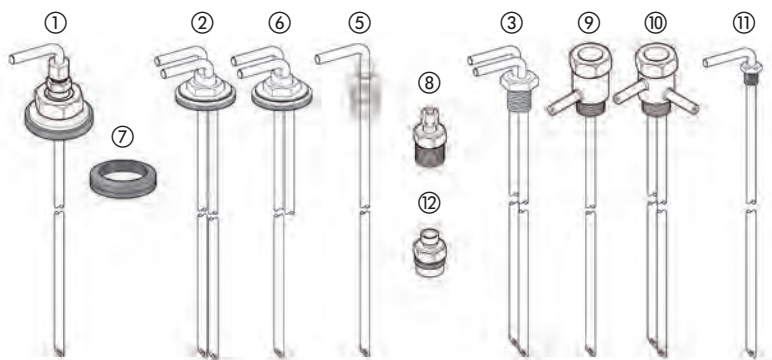
(Drill or 1/4" NPT fitting) (66 cm or 26")

(41 cm or 15")

- Vent fitting 1/2" NPT

(61 cm or 24")

(48 cm or 18.8")



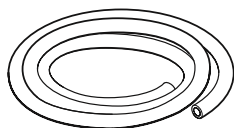
Black Plastic Fuel Line - ID = 2.0 mm

White Plastic Fuel Line - ID = 1.5 mm

White Plastic Fuel Line - ID = 2.0 mm

Black Rubber Fuel Line - ID = 3.5 mm

Black Rubber Fuel Line - ID = 5.0 mm



per mtr

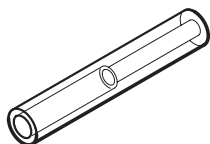
per mtr

per mtr

per mtr

per mtr

Fuel Line Adapter



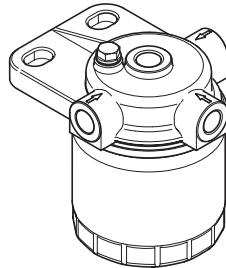
3.5mm to 5mm

Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
						20 2900 20 20 10 ①
						20 2900 20 20 42 ⑤
						20 2900 20 20 57 ②
						20 2900 20 21 07 ③
						20 2900 20 20 04 ⑦
						20 2900 20 20 07 ⑩
						20 2900 20 20 11 ④
						20 2900 20 20 50 ①
						5520001 ⑤
						20 2900 20 40 06 ⑨
						20 2900 20 20 59 ⑥
						20 2900 20 20 44 ⑧
						5520002 ⑧
						5520006 ⑧
						20 2900 20 20 82 ⑧
						5520007 ⑫
						20 2900 20 20 26 ⑦
						22 1000 20 11 00 ⑪
						890 31 125
						890 31 118
						890 31 055
						360 75 300
						360 75 350
						25 1888 80 01 02

FUEL SYSTEM

PLEASE NOTE: ■ Refer to Fuel System Guide on page 66, to help plan your fuel system.

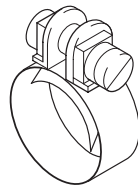
Fuel Filter



Fuel Filter

Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
						25 2488 05 01 00

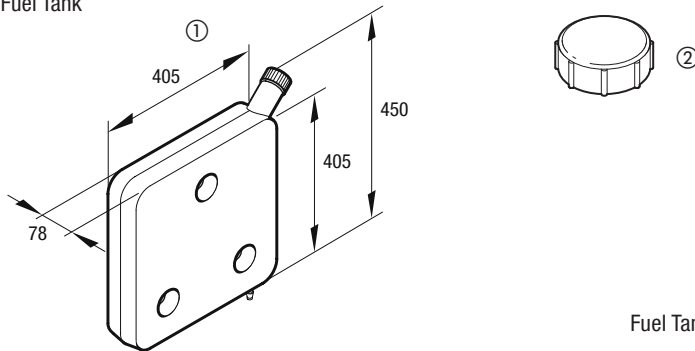
Clamp



- 9 mm (used with 360 75 300)
- 10 mm (used with 360 75 350)
- 11 mm (used with 360 75 350)
- 12 mm
- 14 mm

						10 2068 00 90 98
						10 2068 01 00 98
						10 2068 01 10 98
						10 2068 01 20 98
						10 2068 01 40 98

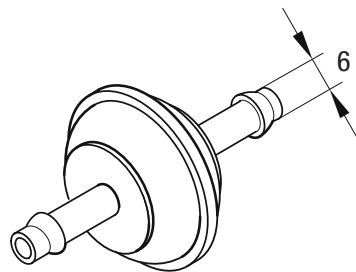
Plastic Fuel Tank



Fuel Tank (10L or 2.6 gal - Blue)
Plastic Cap

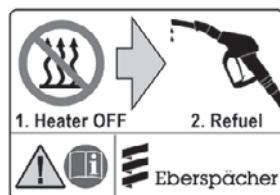
						22 1000 20 28 00
						22 1000 20 22 00

Plastic Fuel Filter



						25 1226 89 00 37
--	--	--	--	--	--	------------------

Information Sticker

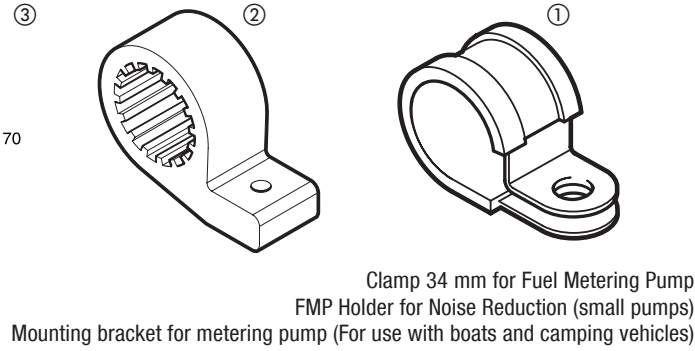
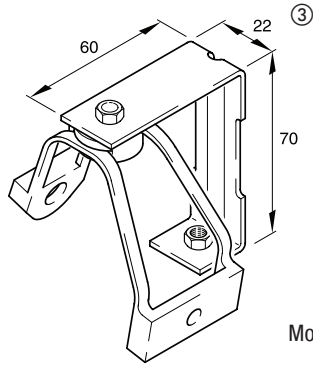


						25 2652 05 00 01
--	--	--	--	--	--	------------------

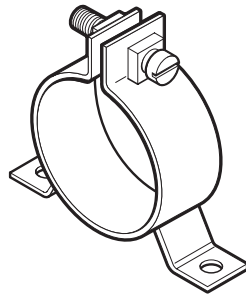
FUEL SYSTEM

PLEASE NOTE: ■ Refer to Fuel System Guide on page 66, to help plan your fuel system.

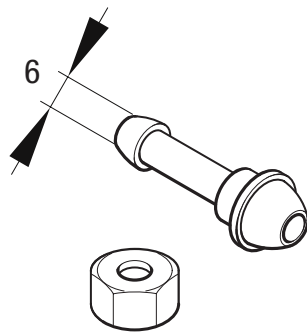
FMP Clamp and Holder



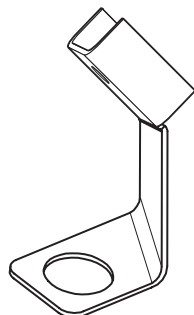
Fuel Metering Pump Holder



Fuel Connector Nipple and Nut



FMP Bracket RECOMMENDED



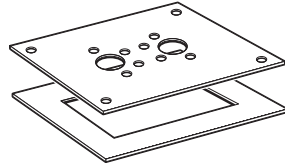
Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
						152 00 200 ①
						22 1000 50 03 00 ②
						20 1634 80 06 00 ③
						25 1156 20 00 11
						20 2900 20 20 71
						20 2900 40 01 04

■ unrestricted use ~ restricted use

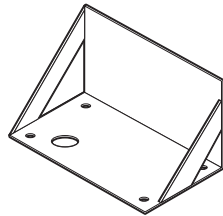
- 1
- 1
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MOUNTING PARTS

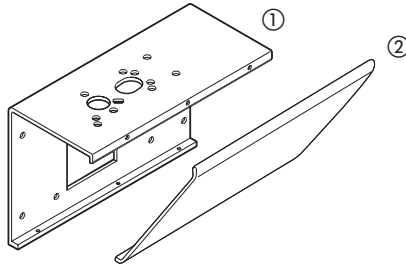
Mounting Plate with Seal



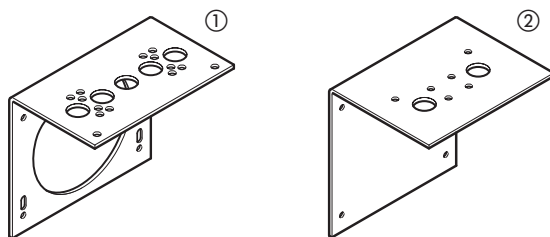
Side Frame Mounting Tray for Boxed Heaters



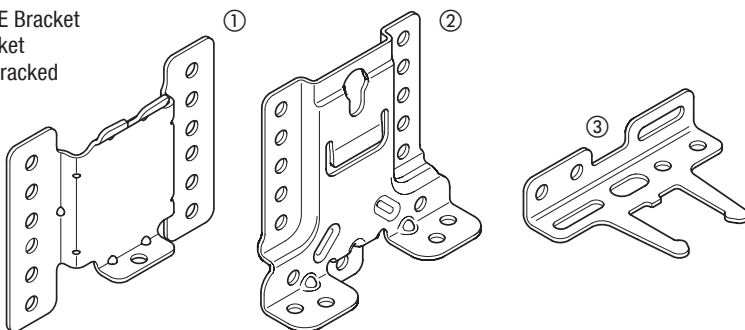
Cargo Bracket
Cargo Bracket Support



Angle Mounting Bracket
Mounting Bracket



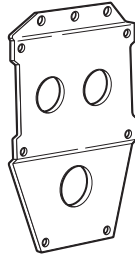
Hydronic II D5E Bracket
HS3 D5E Bracket
Water Pump Bracketed



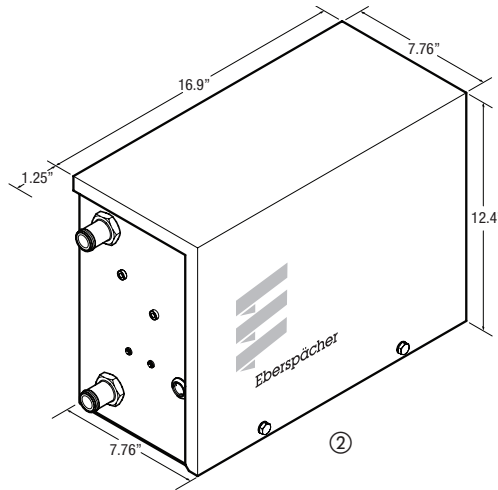
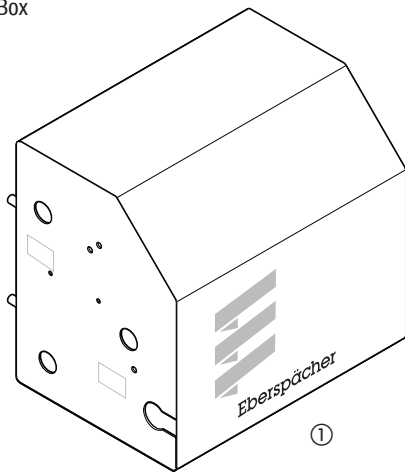
Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
						5540001
						20 2900 40 00 57
						E 20 2900 40 00 75
						20 2900 40 00 34 ①
						20 2900 40 00 35 ②
						20 2900 40 00 23 ①
						5540016 ②
						22 1000 51 37 00
						22 1000 51 42 00
						22 1000 51 39 00

MOUNTING PARTS

Mounting Bracket



Box

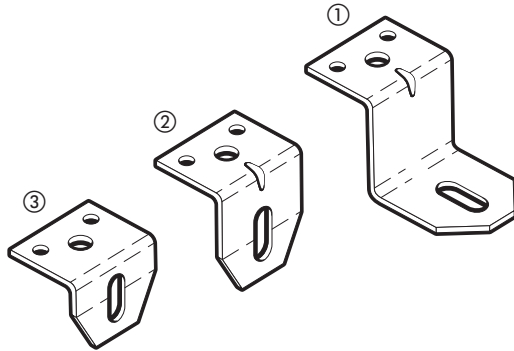


- Box base
- Lid
- Hydronic 3 Box Base
- Hydronic 3 Box Lid
- Also requires: Silicone Seal - Exhaust
- Grommet Harness
- Grommet Fuel
- Additional bulk head fitting required
- Lid Hydronic 5 Box - IC Corp
- H-II D5S Enclosure Lid
- L2 Enclosure Lid
- M-II With Albany Lid

Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
						25 1816 80 00 01
						E 25 2800 40 10 02 ②
						E 25 2800 40 10 03 ②
						25 2800 40 05 28 ①
						25 2800 40 05 29 ①
						25 1216 88 03 01
						25 2782 70 00 01
						20 1280 09 01 03
						25 2782 40 00 02
						25 2800 40 05 24
						25 2800 40 10 22
						25 2800 40 10 26

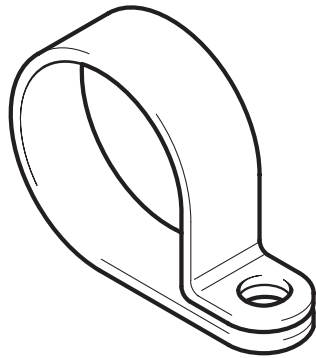
MOUNTING PARTS

Metal Angle Bracket for Fuel Metering Pump



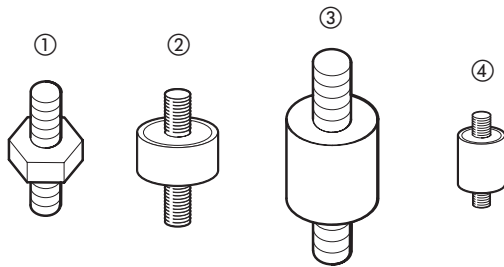
Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
						20 1348 03 00 02 ①
						20 1348 03 00 04 ②
						20 1533 88 00 07 ③

“C” Clamp



10 mm						152 00 139
25 mm (for 22mm Exhaust/Air Intake)						152 10 048
28 mm (for 24 mm Exhaust)						152 09 010
34 mm (for 30 mm Exhaust)						152 09 008
41 mm (for large Fuel Metering Pumps)						152 10 039
“C” Clamp 50 mm						152 09 011

Metal / Rubber Shock Mounts

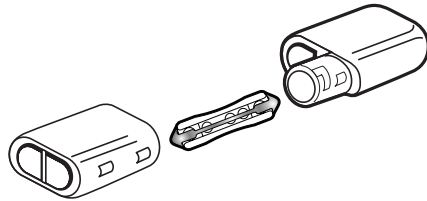


6mm H, Hex Body						20 1185 00 00 01 ①
15mm H, Round Body, M8						330 09 002 ②
1inch H, Round Body, 5/16 x 18 NC						5540014 ③
25mm H, Round Body, M6						20 1609 05 00 04 ④

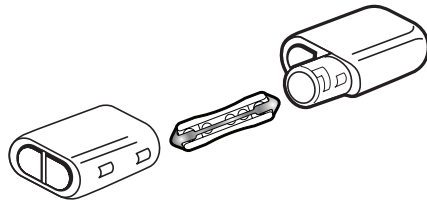
1
1
2
3

FUSE HOLDERS, FUSES, BREAKERS

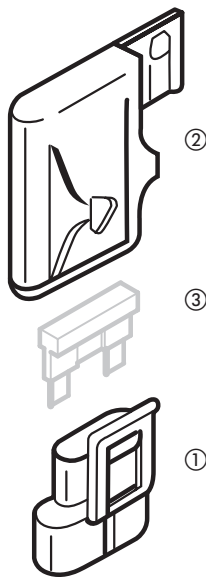
Holder for Ceramic Fuse with 16 AMP Fuse



Water-proof Fuse Holder Cover



Packard ATC Fuse Holder with Terminals
 Base, Fuse Holder 12033769
 Cover, Fuse Holder 12033731
 Terminal 12033997L

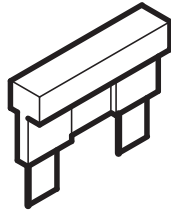


Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
						204 00 099
						29 2100 01 81 56
						5670051
						20 2900 70 70 17 ①
						20 2900 60 70 09 ②
						5670199

■ unrestricted use ~ restricted use

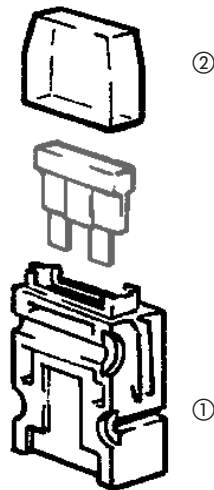
FUSE HOLDERS, FUSES, BREAKERS

ATC Fuse



	Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number	
3 AMP	■	■	■	■	■	■	5670057	③
15 AMP	■	■	■	■	■	■	5670053	③
20 AMP	■	■	■	■	■	■	5670055	③

Fuse Holder

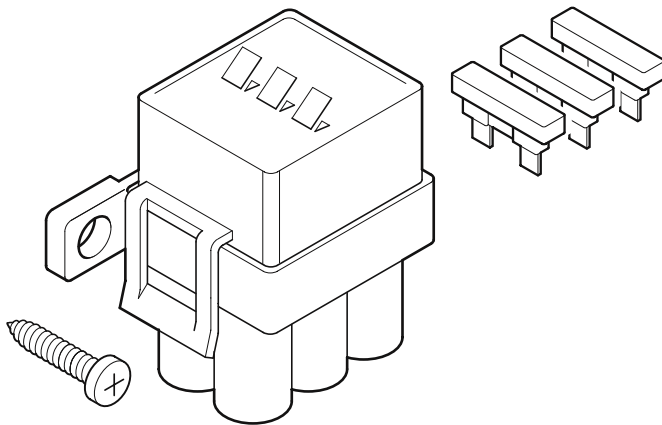


Base	■	■	■	■	■	■	04 31 004	①
Cover	■	■	■	■	■	■	204 31 005	②

- 1
- 1
- 2
- 3

FUSE HOLDERS, FUSES & BREAKERS

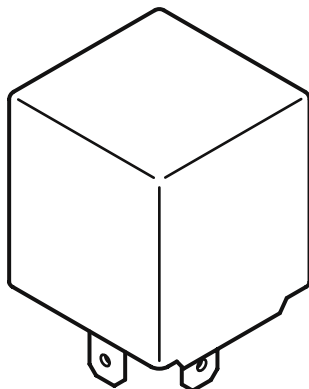
Fuse Holder Kit
INCLUDES: Fuses and Terminals



5A, 15A, 25A 22

22 1000 31 06 00

Relay



24 volt (D1L/D3L /V7S/D12 N)

203 00 066

Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number

TERMINALS AND CONNECTORS

Terminals



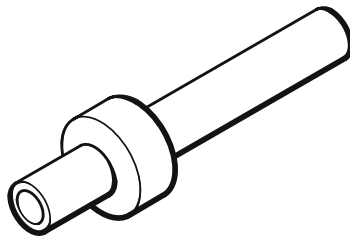
	Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number	
10ga - 12ga Female, Tabs	■	■	■	■	■	■	5670174	④
14ga - 18ga Female, Tabs	■	■	■	■	■	■	5670394	④
Terminal Fuse Holder	■	■	■	■	■	■	206 00 004	⑤
Mini Terminal, AWG 16-20	■	■	■	■	■	■	206 73 052	⑥
10ga - 12ga Male	■	■	■	■	■	■	5670176	①
14ga - 18ga Male	■	■	■	■	■	■	5670175	①
Mini Terminal, AWG 16-20	■	■	■	■	■	■	206 36 018	③
Mini Terminal, AWG 14-18	■	■	■	■	■	■	206 00 182	⑥
Terminal 12033997L	■	■	■	■	■	■	5670199	④
Terminal with Sensor MALE	■	■	■	■	■	■	5670188	②

Ring Terminal



(3/8") AWG 10-12	■	■	■	■	■	■	5670178	
------------------	---	---	---	---	---	---	---------	--

Deutch Connector AWG 18 Pin



5670266

1

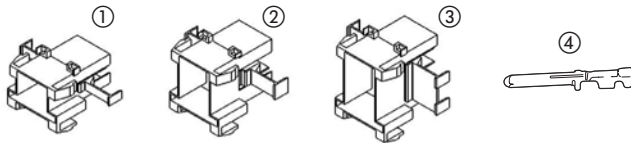
1

2

3

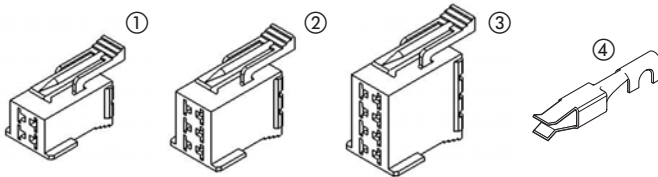
TERMINALS AND CONNECTORS

Socket Housing, Female



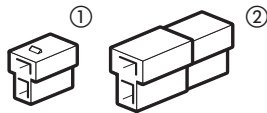
	Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number	
4 Pin	■	■	■	■	■	■	206 31 100	①
6 Pin	■	■	■	■	■	■	206 31 106	②
8 Pin	■	■	■	■	■	■	206 31 101	③
Terminal, Male AWG 16-20	■	■	■	■	■	■	206 36 018	④

Socket Housing, Male



4 Pin	■	■	■	■	■	■	206 31 296	①
6 Pin	■	■	■	■	■	■	206 31 297	②
8 Pin	■	■	■	■	■	■	206 31 298	③
Terminal, Female AWG 16-20	■	■	■	■	■	■	206 73 052	④

Socket Housing



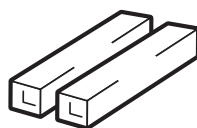
Male 2 Pin "T"	■	■	■	■	■	■	206 00 099	①
Female 2 Pin "T"	■	■	■	■	■	■	206 31 004	②

Rubber Boot for Fuel Metering Pump



	■	■	■	■	■	■	320 31 120	
--	---	---	---	---	---	---	------------	--

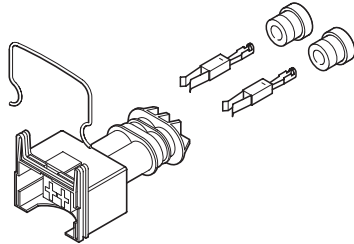
Plug and Socket Connector



	■	■	■	■	■	■	206 00 040	
--	---	---	---	---	---	---	------------	--

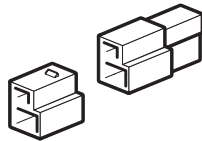
TERMINALS AND CONNECTORS

Fuel Metering Pump Housing Kit



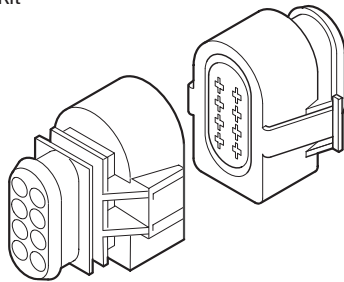
INCLUDES: terminals and seals.

Socket Housing,

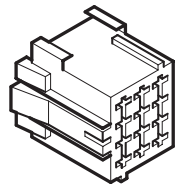


- Female 2 Pin for Sensor
- Male 2 Pin for Sensor
- 2 Pin with Spring (FMP Connection)
- Mini Terminal, Female AWG 16-20
- Socket Housing M Stribel Control
- Plug for 206 31 319 Stribel

Hydronic 4/5 Main harness connector Kit



7 day timer 12 pin connector housing



Mini terminal, female AwG 16-20



	Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
Fuel Metering Pump Housing Kit							22 1000 31 87 00
Socket Housing, Female 2 Pin for Sensor	■						206 31 018
Socket Housing, Male 2 Pin for Sensor	■						206 31 306
Socket Housing, 2 Pin with Spring (FMP Connection)	■			■	■		206 31 290
Socket Housing, Mini Terminal, Female AWG 16-20	■			■	■		206 00 180
Socket Housing, Socket Housing M Stribel Control					■		206 31 319
Socket Housing, Plug for 206 31 319 Stribel					■		206 75 042
Hydronic 4/5 Main harness connector Kit					■		22 1000 30 10 21
7 day timer 12 pin connector housing							206 31 293
Mini terminal, female AwG 16-20	■						206 00 180

■ unrestricted use ~ restricted use

1
1
2
3

POWER CONVERTERS 12V TO 24V

Power Converter 12 - 24 288 W

5673401



Power Converter 12 - 24 480 W

5673601



1

1

2

3

NOTES:

1

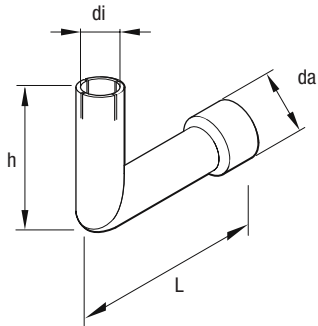
1

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3

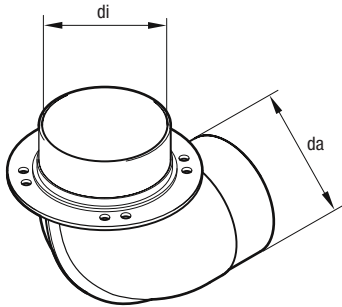
EXHAUST

Elbow



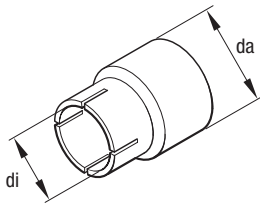
di = 24, da = 30 mm, h = 50 mm/80 mm

Exhaust Elbow



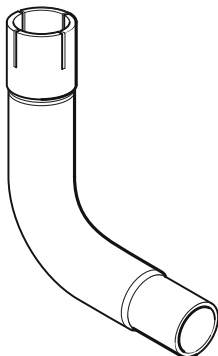
(with exhaust)

Straight Exhaust Fitting



di = 24, da = 30 mm

Exhaust 90° adapter



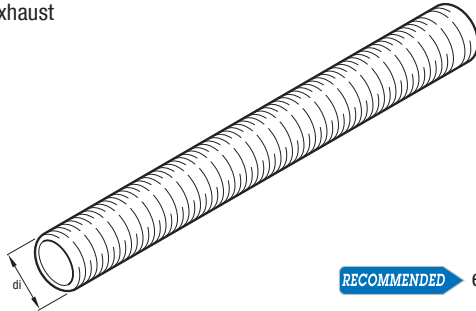
di = 30 mm

Airtronic AX2 D2	Airtronic AX2 D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
							25 1226 89 55 00
							22 1000 40 03 00
							25 1520 80 01 01
							25 2800 30 10 00

 unrestricted use ~ restricted use

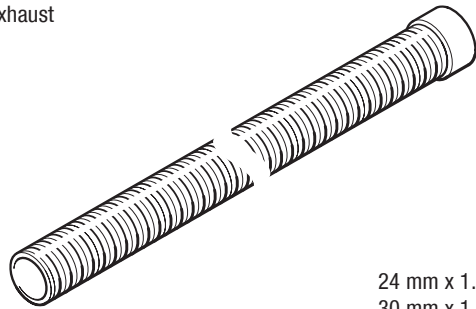
EXHAUST

Flexible Stainless Steel Exhaust



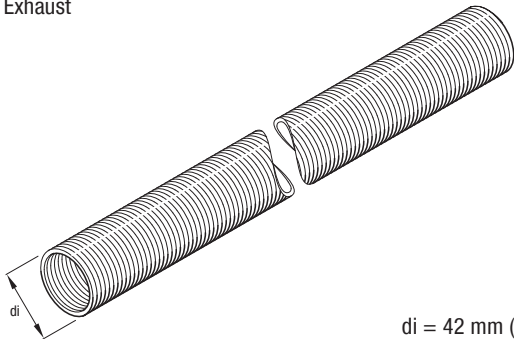
RECOMMENDED each - di = 24mm (1.3 mtr)

Flexible Stainless Steel Exhaust



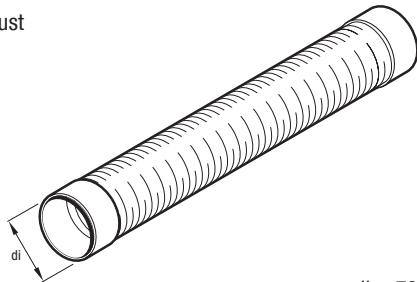
24 mm x 1.0 M with end cap - per mtr
30 mm x 1.3 M with end cap - per mtr

Flexible Stainless Steel Exhaust



di = 42 mm (direct connect) - per mtr
RECOMMENDED di = 24 mm (one layer) - per mtr
di = 24 mm (two layer) - per mtr
di = 30 mm (one layer) - per mtr
di = 30 mm (two layers) - per mtr

Flexible Stainless Steel Exhaust



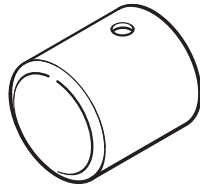
di = 70 mm (direct connect) - per mtr

	Airtronic AX2 D2	Airtronic AX2 D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
each - di = 24mm (1.3 mtr)	■	■	■		■			360 61 557
24 mm x 1.0 M with end cap - per mtr		■	■		■			25 1774 80 02 00
30 mm x 1.3 M with end cap - per mtr							■	25 1816 80 08 00
di = 42 mm (direct connect) - per mtr				■				5530013
RECOMMENDED di = 24 mm (one layer) - per mtr	■	■	■		■			360 61 550
di = 24 mm (two layer) - per mtr	■	■	■		■			360 61 299
di = 30 mm (one layer) - per mtr	■	■	■		■			360 61 580
di = 30 mm (two layers) - per mtr	■	■	■		■		■	360 61 300
di = 70 mm (direct connect) - per mtr						■		5530015

■ unrestricted use ~ restricted use

EXHAUST

Exhaust End Cap



ø 24 mm

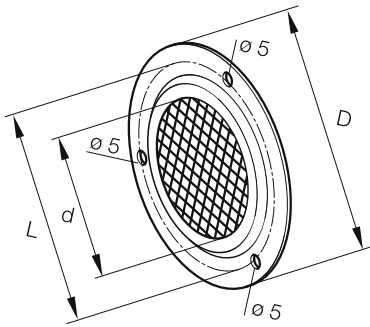
	Airtronic AX2 D2	Airtronic AX2 D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
ø 24 mm	■	■	■		■			25 1482 80 00 01
Exhaust End Cap with Crossbar								
di = 24 mm	■	■	■		■			20 2900 30 24 00
di = 30 mm							■	25 1785 80 02 00
di = 42 mm				■				22 1000 40 02 00
Exhaust Clamp for								
ø 70 mm							■	5530004
Clamp for Exhaust Pipe								
ø 31 mm - ø 34 mm	■	■	■		■		■	22 1000 51 4500
ø 26 mm								152 61 102
Clamp for Exhaust Pipe								
ø 42 mm - ø 45 mm				■				152 09 004

■ unrestricted use ~ restricted use

DUCTING

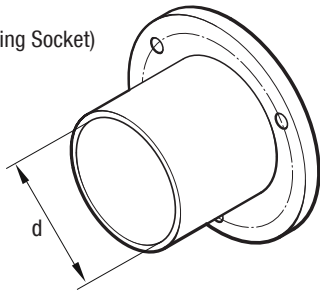
PLEASE NOTE: ■ Air ducting is critical to the performance of your heater - for information on how to layout a system and measure restriction values see the Rating Guide on page 67.

1
Grill (Inlet & Outlet)



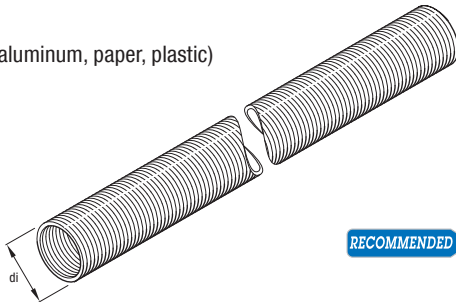
(90 mm or 3.5")
(140 mm or 5.25")
D = 93 mm (3.6"), L = 75 mm (3") d = 60 mm (2.4")
Nickel Plated Open Screen (140 mm or 5.25")

2
Ducting Flange (Connecting Socket)



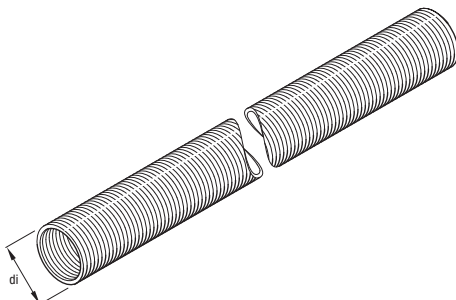
for Duct Size 50 mm (2")
for Duct Size 60 mm (2.4")
for Duct Size 90 mm (3.5")
for Duct Size 100 mm (4")

3
3a
Flexible Air Hose (aluminum, paper, plastic)



di = 50mm (2")
di = 60mm (2.4")
di = 75mm (3")
di = 90mm (3.5")

3a
3.1
Flexible Hose



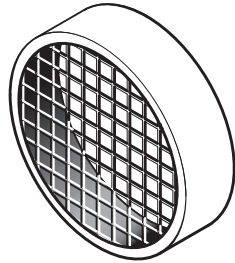
di = 75 mm (3")
di = 100 mm (4")

Airtronic AX2 D2	Airtronic AX2 D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
							20 1465 89 05 00
							25 1729 89 00 05
							22 1000 01 00 01
							25 1226 89 05 00
							20 1575 80 08 01
							20 1577 89 06 01
							20 1297 00 00 01
							25 1226 89 00 40
							10 2114 29 00 00
							10 2114 31 00 00
							10 2114 34 00 00
							10 2114 37 00 00
							5550007
							5550008

DUCTING

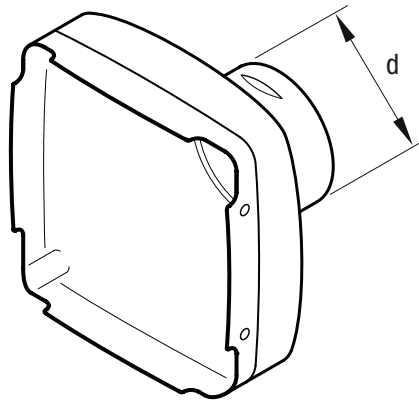
PLEASE NOTE: ■ Air ducting is critical to the performance of your heater - for information on how to layout a system and measure restriction values see the Rating Guide on page 67.

4
Protective Grill (Heater)



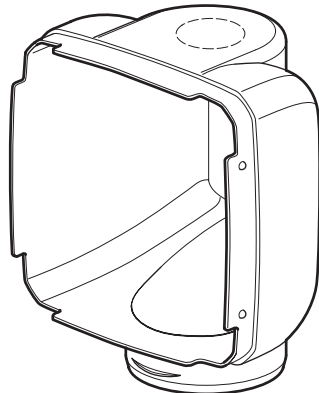
d = 60 mm (2.4")
d = 75 mm (3")
d = 90 mm (3.5")
d = 100 mm (4")

5
Straight Air Outlet Hood



d = 60 mm (2.4")
d = 75 mm (3")
d = 75 mm (3")
d = 90 mm (3.5")
d = 90 mm (3.5")
(Complete Rear Air Outlet Hood) d = 90 mm (3.5")

6.1
Ball-shaped scoop



di = 60 mm (2.4") Outlet
di = 75 mm (3") Outlet
di = 90 mm (3.5") Outlet
d = 75 mm (3")

Used with the Airtronic D4 Plus

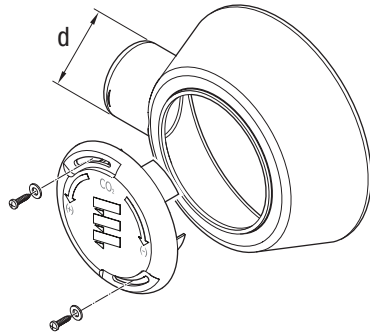
	Airtronic AX2 D2	Airtronic AX2 D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
d = 60 mm (2.4")	■							25 1688 80 06 00
d = 75 mm (3")	■	■						25 1552 05 01 00
d = 90 mm (3.5")		■	■					25 1729 80 00 01
d = 100 mm (4")				■				25 1226 89 44 00
d = 60 mm (2.4")	■							22 1000 01 00 16
d = 75 mm (3")	■							22 1000 01 00 17
d = 75 mm (3")		■						22 1000 01 00 18
d = 90 mm (3.5")		■						22 1000 01 00 19
d = 90 mm (3.5")			■					25 1822 89 01 00
(Complete Rear Air Outlet Hood) d = 90 mm (3.5")			■					25 1729 01 09 00
di = 60 mm (2.4") Outlet	■							22 1000 01 00 20
di = 75 mm (3") Outlet		■						22 1000 01 00 22
di = 90 mm (3.5") Outlet			■					22 1000 01 00 23
d = 75 mm (3")			■					22 1000 01 00 28

■ unrestricted use ~ restricted use

DUCTING

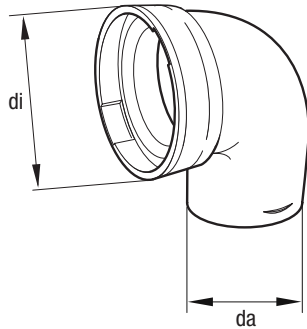
PLEASE NOTE: ■ *Air ducting is critical to the performance of your heater - for information on how to layout a system and measure restriction values see the Rating Guide on page 67.*

6.2
Air Intake Hood



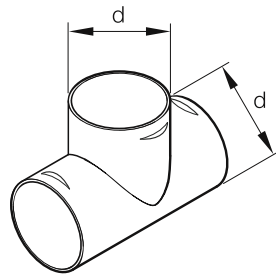
d = 60, mm (2.4")

7
90° Bend,
Plastic Elbow



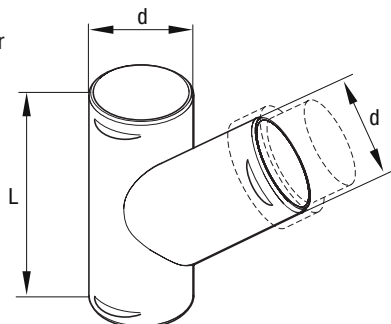
di = 60 mm (2.4"), da = 60 mm (2.4")
di = 75 mm (3"), da = 75 mm (3")

8
Plastic "T" Piece



d = 60 mm (2.4")
d = 75 mm (3")
d = 90 mm (3.5")

9
45° Plastic "Y" Connector



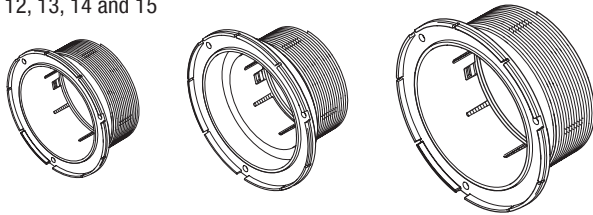
d = 75 mm (3"), L = 175 mm
d = 100 mm (4"), L = 230 mm
d = 60 mm (2.4"), L = 145 mm
d = 90 mm (3.5"), L = 180 mm

Airtronic AX2 D2	Airtronic AX2 D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
							22 1000 40 06 00
							25 1688 89 00 01 25 1482 89 00 05
							25 1688 89 00 02 22 1000 01 00 27 22 1000 01 00 26
							25 1226 89 00 44 25 1226 89 00 45 25 1774 89 00 05 22 1000 01 00 21

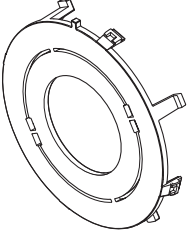
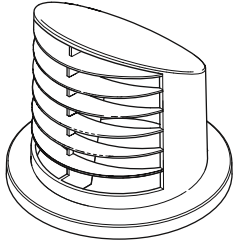
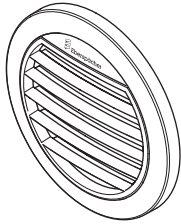
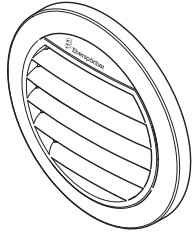
DUCTING

PLEASE NOTE: ■ Air ducting is critical to the performance of your heater - for information on how to layout a system and measure restriction values see the Rating Guide on page 67.

12
Ducting Flange (Plastic connecting piece)
For vents, Items: 12, 13, 14 and 15



ø 60 mm, black
ø 75 mm, black
ø 90 mm, black

Airtronic AX2 D2	Airtronic AX2 D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
■	■	■	~				22 1000 01 00 35
■	■	■	~				22 1000 01 00 36
■	~	■	~				22 1000 01 00 37
<hr/>							
12.1 Air Control Element (2 position)							
 <p>* for fitting, order no. 22 1000 01 00 35 - Plastic, ø 60 mm ** for fitting, order no. 22 1000 01 00 36 - Plastic, ø 75 mm *** for fitting, order no. 22 1000 01 00 37 - Plastic, ø 90 mm</p>							
■	■	■	~				22 1000 01 00 79
■	■	■	~				22 1000 01 00 80
■	~	■	~				22 1000 01 00 81
<hr/>							
13 90° Upright Vent (Rotatable)							
 <p>Suitable for ø 50/60 mm fitting, black) Suitable for ø 75/90 mm fitting, black)</p>							
■	■	■	~				22 1000 01 00 64
■	~	■	~				22 1000 01 00 68
<hr/>							
14 30° Outlet Screen (Flat) (Rotatable)							
 <p>Suitable for ø 50/60 mm fitting, black) Suitable for ø 75/90 mm fitting, black)</p>							
■	■	■	~				22 1000 01 00 44
■	~	■	~				22 1000 01 00 52
<hr/>							
14.1 0° Outlet Screen (Flat) (For 75/90mm flange)							
 <p>Suitable for 75/90 mm fitting, black)</p>							
■	~	■	~				22 1000 01 00 48

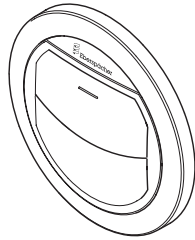
■ unrestricted use ~ restricted use

1
1
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3

DUCTING

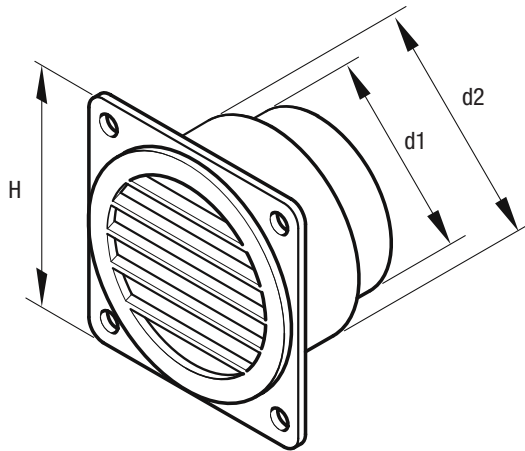
PLEASE NOTE: ■ *Air ducting is critical to the performance of your heater - for information on how to layout a system and measure restriction values see the Rating Guide on page 67.*

15
Outlet Screen Closable
Rotatable, see Ducting Flange
(Plastic) for fitting



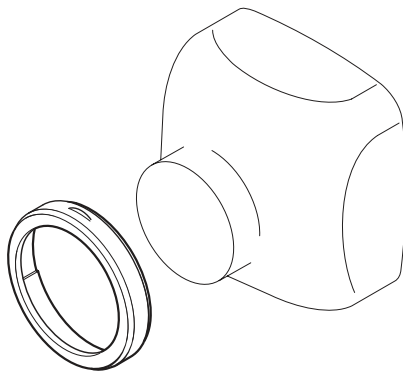
Suitable for ø 50/60 mm fitting, black
Suitable for ø 75/90 mm fitting, black

16
Outlet Vent with Flange
(Rotatable)



d1 = 90 mm (3.5"), d2 = 100 mm (4"), H = 110 mm
d1 = 75 mm (3"), d2 = 100 mm (4"), H = 110 mm

18
Adapter Ring



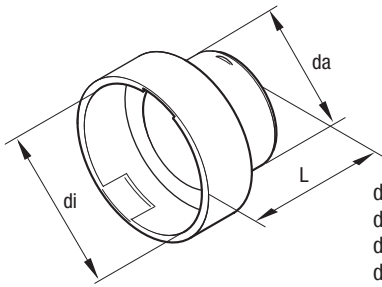
di = 60 mm, da = 75 mm
di = 75 mm, da = 90 mm
di = 90 mm, da = 100 mm

Airtronic AX2 D2	Airtronic AX2 D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
			~				22 1000 01 00 72
			~				22 1000 01 00 76
			~				20 1609 80 09 00
							22 1050 89 21 00
							22 1000 01 00 08
							25 1822 89 00 01
							20 1607 80 00 01

DUCTING

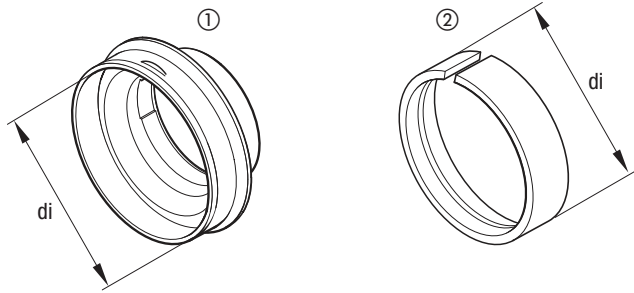
PLEASE NOTE: ■ *Air ducting is critical to the performance of your heater - for information on how to layout a system and measure restriction values see the Rating Guide on page 67.*

18.1 Plastic Reducer for "Y" or Ducting Union



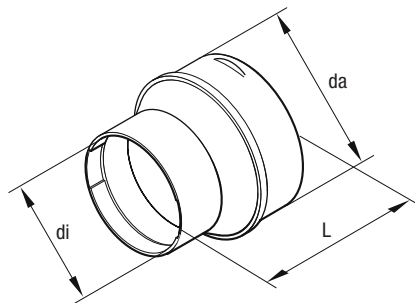
$di = 75 \text{ mm (3")}$, $da = 50 \text{ mm (2")}$, $L = 50 \text{ mm}$
 $di = 100 \text{ mm (4")}$, $da = 75 \text{ mm (3")}$, $L = 50 \text{ mm}$
 $di = 100 \text{ mm (4")}$, $da = 50 \text{ mm (2")}$, $L = 62 \text{ mm}$
 $di = 75 \text{ mm (3")}$, $da = 60 \text{ mm (2.4")}$, $L = 45 \text{ mm}$

18.2 ① 18.3 ② Hood Adapter



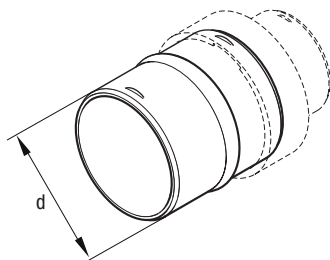
$di = 60 \text{ (2.4") / 75 mm (3")}$
 (black plastic) $di = 90 \text{ (3.5") / 100 mm (4")}$

18.4 Plastic Reducer



$di = 60 \text{ mm}$, $da = 75 \text{ mm}$, $L = 40.5 \text{ mm}$

19 Ducting Union, straight



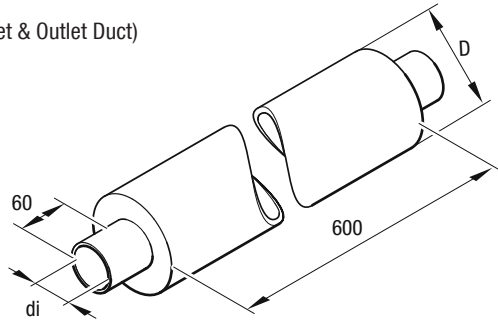
$d = 60 / 60 \text{ mm}$
 $d = 75 / 75 \text{ mm}$
 $d = 90 / 90 \text{ mm}$
 $d = 100 / 100 \text{ mm}$

Airtronic AX2 D2	Airtronic AX2 D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
■	■	■	■				25 1226 89 00 46
■	■	■	■				25 1226 89 00 47
■	■	■	■				25 1226 89 00 48
■	■	■	■				25 1226 89 00 50
■							25 1688 89 00 10 ①
	■						20 1607 80 00 01 ②
							25 1688 89 00 10
■	■	■	■				22 1000 01 00 05
■	■	■	■				22 1000 01 00 06
■	■	■	■				22 1000 01 00 24
■	■	■	■				22 1000 01 00 07

DUCTING

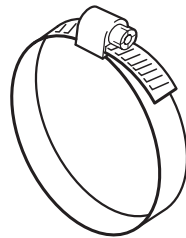
PLEASE NOTE: ■ Air ducting is critical to the performance of your heater - for information on how to layout a system and measure restriction values see the Rating Guide on page 67.

20
Air Silencer (Inlet & Outlet Duct)



75 mm or 3"
End Cap

23
Stainless Steel Hose Clamp



46-70 mm (60 mm or 2.4" Ducting)
59-83 mm (75 mm or 3" Ducting)
84-108 mm (100 mm or 4" Ducting)

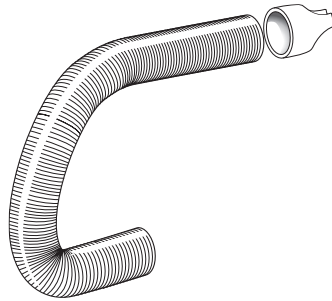
Airtronic AX2 D2	Airtronic AX2 D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 /35	Hydronic M-II	Part number
	■						25 1226 89 15 00
	■						25 1226 89 56 00
		■	■				5550004
		■	■				5550002
		■	■				5550003

■ unrestricted use ~ restricted use

INTAKE (COMBUSTION AIR)

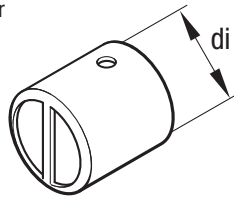
PLEASE NOTE: ■ *Air ducting is critical to the performance of your heater - for information on how to layout a system and measure restriction values see the Rating Guide on page 67.*

21
Combustion Air Intake Flex Hose



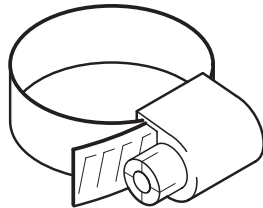
per mtr, ID = 30 mm
End Cap
Hose Comb. Air - 25mm (1m)
Hose - 20mm A °K Comb Air (1m)

Plastic Air Intake End Cap with Crossbar



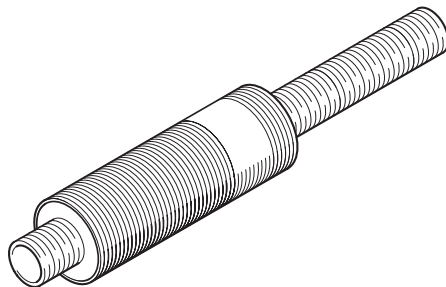
di = 20 mm
di = 25 mm

22
Ducting Clamp

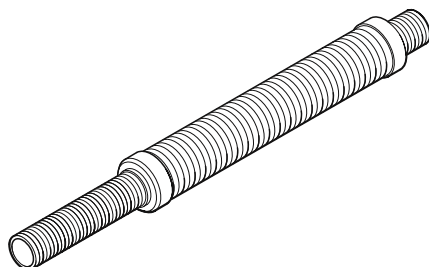


32-50 mm
33-57 mm

Intake Silencer



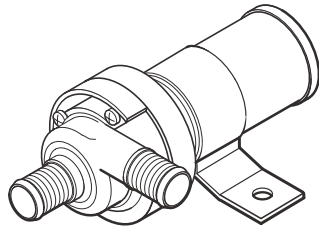
Air Int Muffler w/End Cap



	Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
per mtr, ID = 30 mm			■				10 2114 25 00 00
End Cap			■				25 1480 89 04 00
Hose Comb. Air - 25mm (1m)	■						360 00 006
Hose - 20mm A °K Comb Air (1m)				■			360 00 099
Plastic Air Intake End Cap with Crossbar							
di = 20 mm				■			25 1688 80 12 01
di = 25 mm	■	■					25 1729 89 00 02
Ducting Clamp							
32-50 mm	■	■	■	■	■	■	10 2067 03 20 50
33-57 mm	■	■	■	■	■	■	5550001
Intake Silencer							
		■					20 1609 80 04 00
Air Int Muffler w/End Cap							
						■	25 1786 80 02 00

COOLANT PUMPS

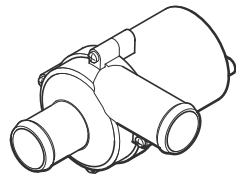
Coolant Pump



(700 L/hr) 12 volt
(700 L/hr) 24 volt

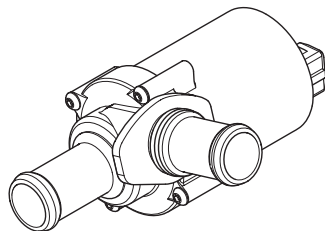
Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
					~	25 1815 25 01 00
					~	25 1816 25 01 00
			■			25 2275 25 00 00
			■			25 2009 25 00 00
			■			25 2434 27 01 00
			■			25 2435 27 01 00
					■	25 2596 25 01 00
					■	20 2900 60 01 39
					■	20 2900 70 01 40
				■		25 2488 26 00 00 ①
				■		25 2488 25 00 00 ②

Coolant Pump



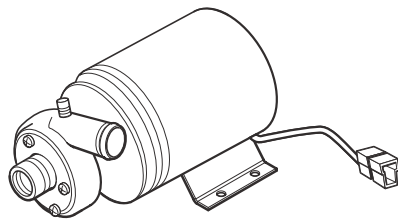
(800 L/hr) 12 volt
(900 L/hr) 24 volt

Flowtronic Coolant Pump



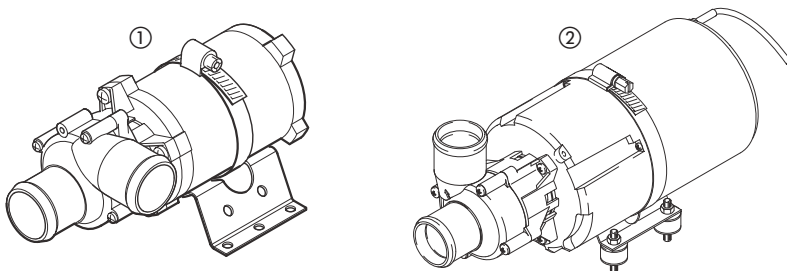
(1400 L/hr) 12 volt
(1400 L/hr) 24 volt

High Capacity Pump



E-Guardian Coolant Pump
(2280 L/hr) 12 volt Albany
(2280 L/hr) 24 volt Albany

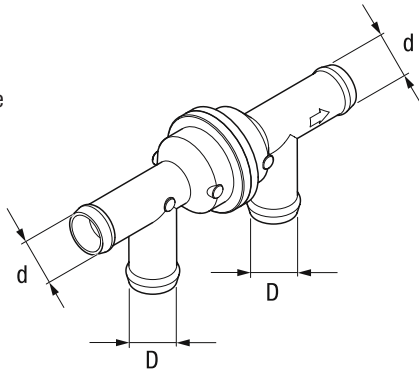
Flowtronic Coolant Pump



(5000 L/hr) 24 volt
(6000 L/hr) 24 volt

PLUMBING

One Way Check Valve



Non-Return Valve $d = 18\text{ mm}$ $D = 20\text{ mm}$ $D = 20\text{ mm}$ $d = 20\text{ mm}$
 $D = 20\text{ mm}$ $d = 18\text{ mm}$

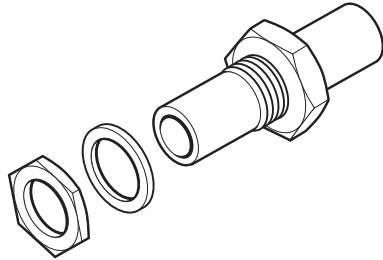
Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
			■			22 1000 10 10 00
			■			22 1000 10 11 00
<hr/>						
Brass Reducer						
			■			20 1645 89 00 06
<hr/>						
One Way Check Valve						
			■			22 1000 10 08 00
<hr/>						
Brass Water Thermostat						
			■			330 00 123
<hr/>						
Water Check Valve						
			■			22 1000 10 07 00

■ unrestricted use ~ restricted use

- 1
- 1
- 2
- 3

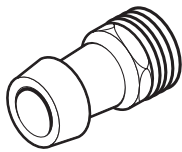
PLUMBING

Bulk Head Fitting



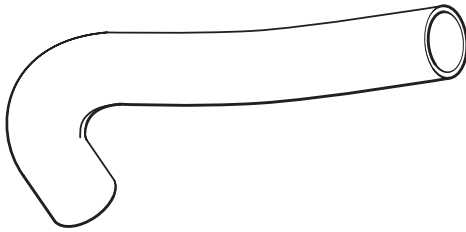
3/4" - 2 pieces required
1/2 - 3/4 Straight Barb Connection

Brass Pump Fittings



3/4" NPT x 3/4" Barb

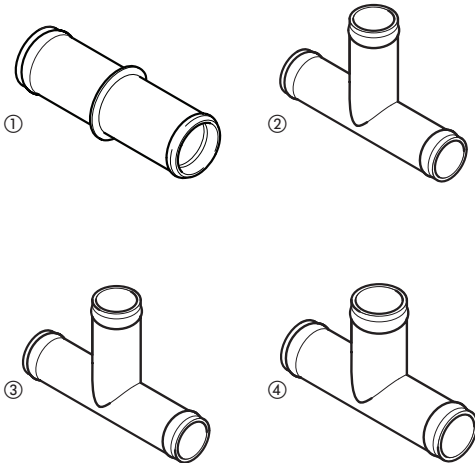
90° Hose Bend



20mm x 0.29 mtr

Fitting 18

- T-piece 18-18-18
- T-piece 18-20-18
- T-piece 20-20-20

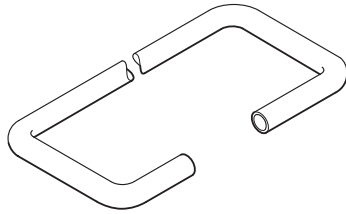


Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
						20 2900 60 10 10 5520068
						20 2900 60 10 02
						20 2900 60 10 23
						22 1000 10 2500 ①
						22 1000 10 2100 ②
						22 1000 10 2300 ③
						22 1000 10 2200 ④

 unrestricted use ~ restricted use

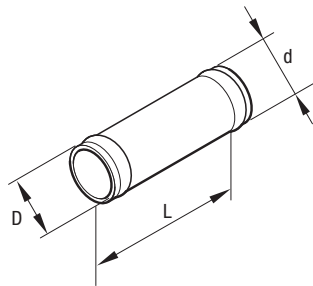
PLUMBING

180° Coolant Hose



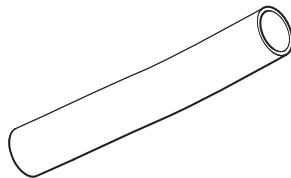
18 mm, L = 218 mm
20 mm, L = 2000 mm

Brass Hose Connector



d = 18mm
d = 20mm
d = 22mm

Coolant Hose



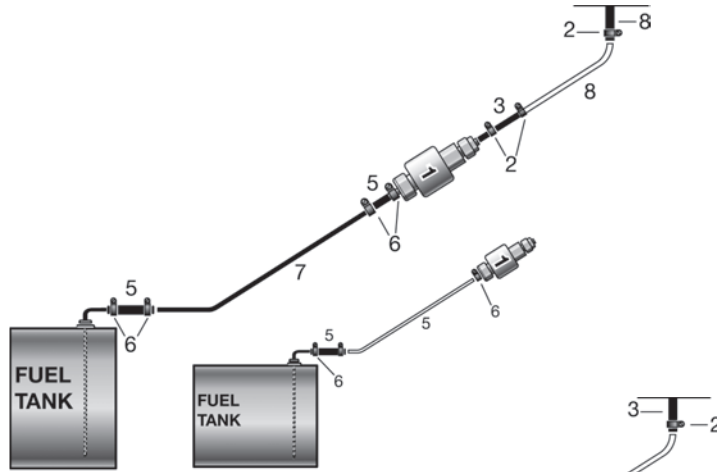
1.5" 1mt piece

Airtronic AX2 D2/D4/B4	Airtronic D5 / B5	D8LC	Hydronic 3 CS	Hydronic 16 / 24 / 30 / 35	Hydronic M-II	Part number
			■	■		20 1690 81 00 01
			■	■		25 1917 80 00 01
			■	■		20 1528 88 00 03
			■	■		20 1534 88 00 01
			■	■		20 1645 89 00 07
			■			20 2900 60 10 39

FUEL SYSTEM GUIDE

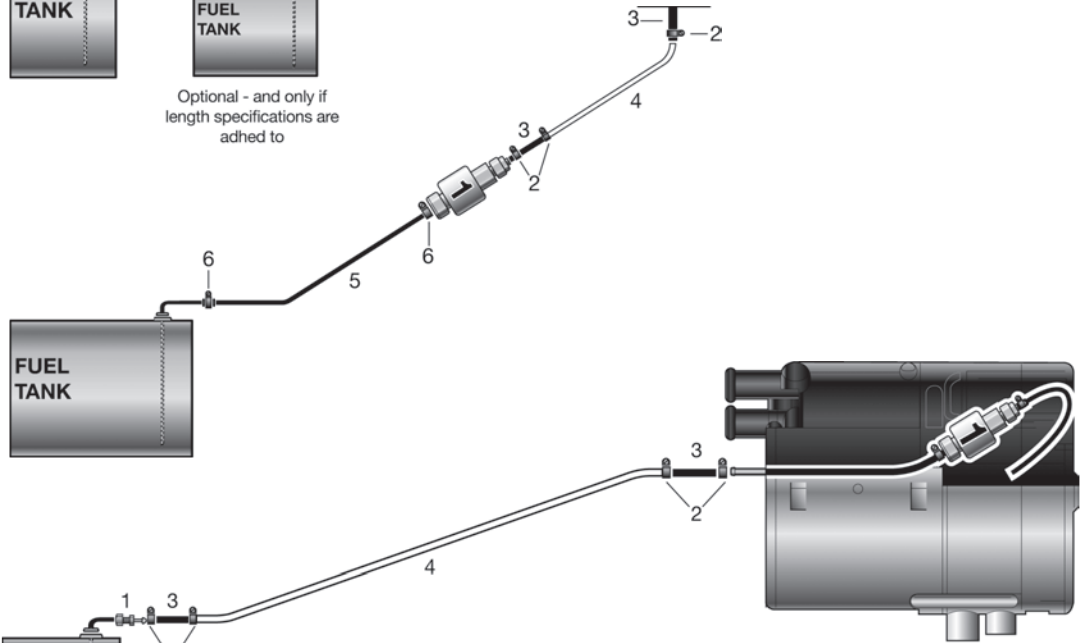
This guide is to help in selecting which size fuel line, rubber hose and clamps are required for a specific heating system. Refer to the Fuel System section of this manual for specific part numbers. Cross-reference this information with the corresponding heater manual for maximum height and length specifications.

AIRTRONIC 2
AIRTRONIC 4
B1LC compact
B3LC compact
D/B5LC



Optional - and only if length specifications are adhered to

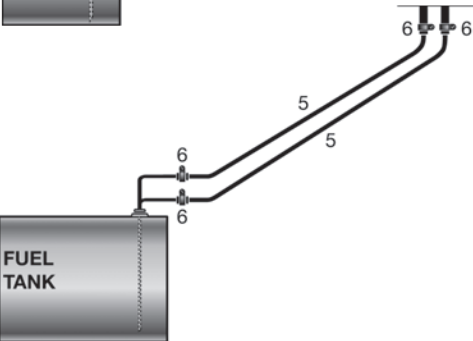
D8LC
HYDRONIC 10



HYDRONIC 4
HYDRONIC 5



HYDRONIC 16
HYDRONIC 24
HYDRONIC 30
HYDRONIC 35



LEGEND

1. Fuel Pipe Reducer
2. Clamp 9mm
3. Rubber Connector 3.5mm
4. White Plastic Fuel Line 2.0mm
5. Rubber Connector / Fuel Line 5.0mm
6. Clamp 11mm
7. Black Plastic Fuel Line 2.0mm
8. White Plastic Fuel Line 1.5mm



DUCTING RATING GUIDE

GENERAL TIPS ON HEATING AIR DUCTING AND COMPONENT RATINGS

A heater has the biggest heating air throughput when it can operate with the air blowing freely. Heating air ducting components reduce the throughput. To enable you to check whether or not the installation you plan reduces the air throughput to an inadmissible degree, we have calculated a heater rating for each heater and a component rating for each heating air ducting component:

- 0 = no temperature increase
- = no component rating

The sum of component ratings for the heating air ducting components must not exceed the heater rating, otherwise the outlet temperature will become too high and trigger the safety cutout switch. If the sum of the component ratings exceeds the heater rating, it can be reduced by selecting a larger diameter for the air ducting parts.

RULE OF THUMB:

Double the cross-section or two identical components running parallel = 1/4 of the rating.

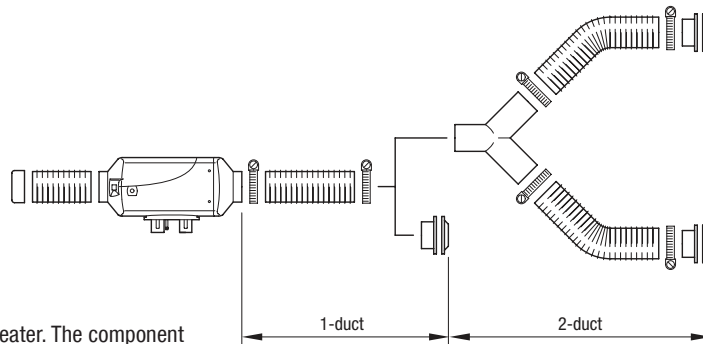
Example:

50 diameter hose
A = 19.6 cm², R rating 1.0

The component rating of smooth welded pipes is only half that of flexible pipe of equal diameter (e.g. double the pipe length).

75 diameter hose
A = 44.2 cm², R rating 0.25

MAIN-LINE DRAWING FOR 1-DUCT AND 2-DUCT HEATING AIR SYSTEM



1-DUCT MEANS:

A heating duct leads to or from heater. The component ratings under "1-duct" are valid.

2-duct means:

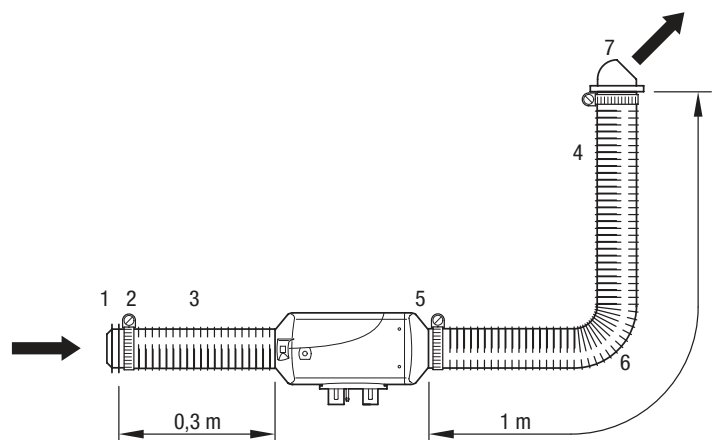
The heating air line branches into two ducts after the heater. Up to the branch the component ratings under "1-duct" are valid, after the branch they fall under "2-duct". If an adjustable outlet is used in the 2-duct heating system, one duct must be unclosable.

Note: When determining the sum of the component ratings, do not take the closable duct into consideration.

EXAMPLE OF HEATING AIR DUCTING FOR AIRTRONIC D2

Heater Rating = 6

ITEM	DESIGNATION	COMPONENT RATING
1	Protective grille	0.5
2	Connection piece 60mm dia.	0
3	Flex. pipe, 60mm dia. 0.3m long	0.3
4	Flex. pipe, 60mm dia, 1.0m long	1.0
5	Reduction hood 60mm straight	0
6	1 x 90° bends of flex. pipe	0.2
7	Swivel outlet	3.2
Total Component Rating		5.2

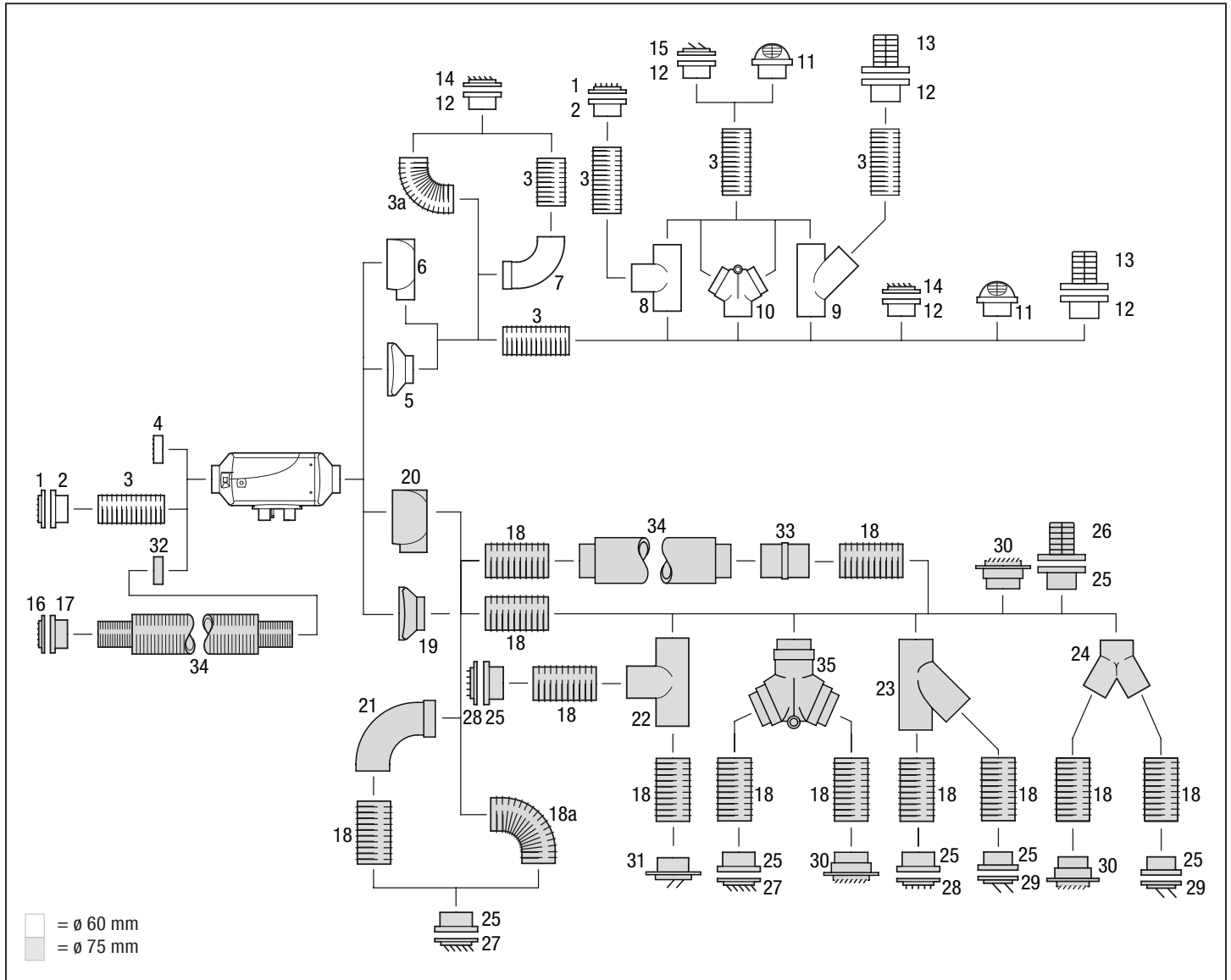


Rating sum = 5.2 and does not exceed the heater rating of 6. The installation is permissible.

DUCTING RATING GUIDE FOR AIRTRONIC D2

Heater Rating 6 - applies with a 60mm dia. outlet hood.
 Heater Rating 12 - applies with a 75mm dia. outlet hood.

The sketch shows how the most important air ducting parts that can be used. They are not intended as examples of installation.



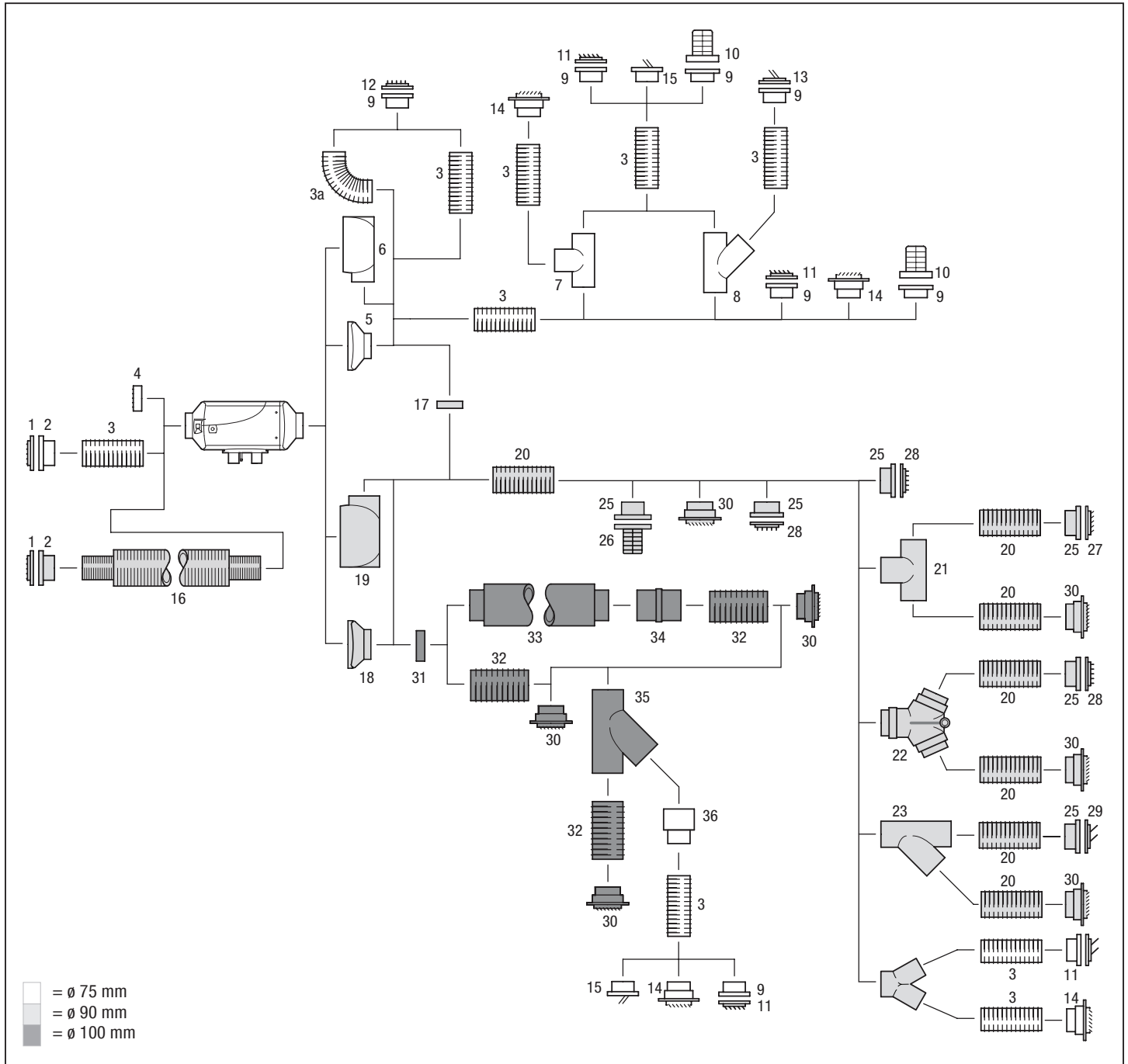
DUCTING RATING GUIDE FOR AIRTRONIC D2

DESIGNATION (measurements in millimeters)		COMPONENT / DUCT RATING		PARTS LIST NUMBER
AIRTRONIC D2 WITH REDUCTION HOOD 60 DIA. (HEATER RATING 6)		Single duct	Multi duct	(See page 58)
1	Grille (Inlet & Outlet) \varnothing 60	0.4	0.1	1
2	Connecting socket, \varnothing 60	0	0	2
3	Flexible pipe, \varnothing 60 (per metre)	1	0.25	3
3a	90° Bend, flexible pipe, \varnothing 60	0.2	-	3a
4	Protective grille - Heater \varnothing 60	0	-	4
5	Reduction hood, (Straight) \varnothing 60	0	0	5
6	Reduction hood, (Spherical, 90°) \varnothing 60	4.8	-	6
7	90° Bend, plastic elbow, \varnothing 60	4	-	7
8	T-piece, \varnothing 60 x \varnothing 60 x \varnothing 60	1.4	0.25	8
9	Y-piece, 45°, \varnothing 60 x \varnothing 60 x \varnothing 60	-	1	9
10	Butterfly valve with regulating flap, \varnothing 60 x \varnothing 60 x \varnothing 60 (Position "right/left")	-	0.6	10
11	Outlet grill with connecting piece (rotatable) \varnothing 60	3.2	0.8	11
12	Ducting flange (plastic connecting piece) \varnothing 60	0	0	12
13	Up right vent 90° (rotatable) \varnothing 60	0.8	0.15	13
14	Outlet screen (flat) 30° (rotatable) \varnothing 60	0.5	0.15	14
15	Outlet screen (closeable, rotatable) \varnothing 60	-	-	15
AIRTRONIC D2 HEATING AIR DUCTING WITH REDUCTION HOOD, \varnothing 75 (HEATER RATING 12)				
16	Grille (Inlet & Outlet) \varnothing 75	0.4	0.1	1
17	Connecting socket, \varnothing 75	0	0	2
18	Flexible pipe, \varnothing 75 (per metre)	1	0.25	3
18a	90° Bend, flexible pipe, \varnothing 75	1.2	-	3a
19	Reduction hood, (Straight) \varnothing 75	0	0	5
20	Reduction hood, (Spherical 90°) \varnothing 75	6	-	6
21	90° Bend, plastic elbow, \varnothing 75	4.5	-	7
22	T-piece, \varnothing 75 x \varnothing 75 x \varnothing 75	-	0.8	8
23	Y-piece, 45°, \varnothing 75 x \varnothing 75 x \varnothing 75	-	0.6	9
24	Y-piece, Symmetrical, \varnothing 75 x \varnothing 60 x \varnothing 60	-	0.8	9.1
25	Ducting flange (plastic connecting piece) \varnothing 75	0	0	12
26	Up right vent 90° (rotatable) \varnothing 75	0.8	0.15	13
27	Outlet screen (flat) 30° (rotatable) \varnothing 75	0.5	0.15	14
28	Outlet screen (flat) 0° (rotatable) \varnothing 75	0.5	0.15	14.1
29	Outlet screen (closeable, rotatable) \varnothing 75	-	-	15
30	Outlet vent with flange (rotatable) \varnothing 75 - \varnothing 100	0.6	0.2	16
31	French vent with flange (closeable) \varnothing 75	-	-	17
32	Adaptor ring (\varnothing 60 to \varnothing 75)	-	-	18
33	Ducting union (straight connector) \varnothing 75	0.5	0.1	19
34	Air silencer (inlet and outlet) \varnothing 75	0.7	-	20
35	Butterfly valve with regulating flap, \varnothing 75 x \varnothing 75 x \varnothing 75 (Position "middle / right, left")	-	1.2 / 0.6	10

DUCTING RATING GUIDE FOR AIRTRONIC D4

Heater Rating 3 - applies with a 75mm dia. outlet hood.
 Heater Rating 10 - applies with a 90mm dia. outlet hood.

The sketch shows how the most important air ducting parts that can be used. They are not intended as examples of installation.



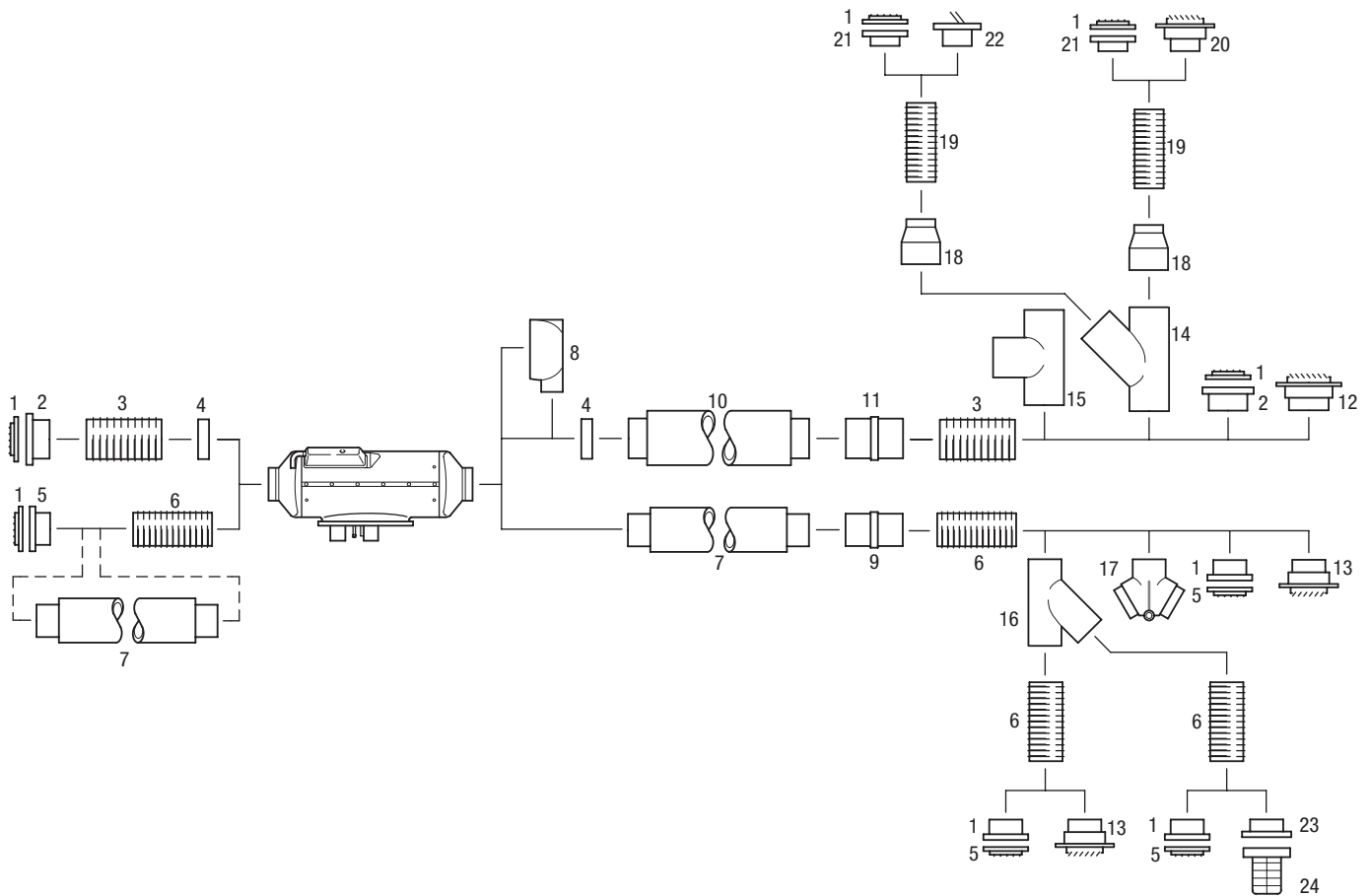
DUCTING RATING GUIDE FOR AIRTRONIC D4

DESIGNATION (measurements in millimeters)		COMPONENT / DUCT RATING				PARTS LIST NUMBER
		Single duct		Multi duct		
AIRTRONIC D4 HEATING AIR DUCTING WITH REDUCTION HOOD 75 DIA. (HEATER RATING 3)		Ø 75	Ø 90	Ø 75	Ø 90	(See page 58)
1	Grille, (inlet & outlet), Ø 75	0.4		0.1		1
2	Connecting socket, Ø 75	0	-	0	-	2
3	Flexible pipe, Ø 75 (per metre)	1	-	0.25	-	3
3a	90° Bend, flexible pipe, Ø 75	0.2	-	0	-	3a
4	Protective grille - heater, Ø 75	2.0	-	-	-	4
5	Reduction hood, (Streight) Ø 75	0	-	-	-	5
6	Reduction hood, (Spherical, 90°) Ø 75	2.0	-	-	-	6
7	T-piece, Ø 75 x Ø 75 x Ø 75	-	-	0.5	-	8
8	Y-piece, 45°, Ø 75 x Ø 75 x Ø 75	-	-	0.6	-	9
9	Ducting flange (connecting piece) Ø 75	0	-	0	-	12
10	Up right vent 90° (rotatable) Ø 75	1.1	-	0.3	-	13
11	Outlet screen (flat, 30°, rotatable) Ø 75	0.3	-	0.1	-	14
12	Outlet screen (flat, 0°, rotatable) Ø 75	0.3	-	0.1	-	14.1
13	Outlet screen (closable, rotatable) Ø 75	-	-	-	-	15
14	Outlet vent with flange (rotatable) Ø 75 - Ø 100	0.8	-	-	-	16
15	French vent with flange (closable) Ø 75	-	-	-	-	17
16	Air silencer Ø 75	0.8	-	-	-	20
17	Adapter ring (Ø 75 x Ø 90)	0.5	-	-	-	18
AIRTRONIC D4 WITH REDUCTION HOOD, Ø 90 (HEATER RATING 10)						
18	Reduction hood (straight) Ø 90	0	-	-	-	5
19	Reduction hood (spherical 90°) Ø 90	-	5.0	-	-	6
20	Flexible pipe, Ø 90 (per metre)	-	1	-	2.5	3
21	T-piece, Ø 90 x Ø 90 x Ø 90	-	0	-	-	8
22	Butterfly valve with regulating flap, Ø 90 x Ø 90 x Ø 90 (Position "middle / right, left")	-	1.2 / 1.4	-	-	10
23	Y-piece, 45°, Ø 90 x Ø 90 x Ø 90	-	-	-	-	9
24	Y-piece, Symmetrical, Ø 90 x Ø 75 x Ø 75	-	-	-	0.9	9.1
25	Ducting flange (plastic connecting piece) Ø 90	-	2.2	-	0.5	12
26	Up right vent 90° (rotatable) Ø 90	-	2.4	-	0.6	13
27	Outlet screen (flat) 30° (rotatable) Ø 90	-	2.0	-	0.4	14
28	Outlet screen (flat) 0° (rotatable) Ø 90	-	1.1	-	0.3	14.1
29	Outlet screen (closable and rotatable) Ø 90	-	-	-	-	15
30	Outlet vent with flange (rotatable) Ø 90 - Ø 100	-	2.2	-	0.5	16
31	Adapter ring (Ø 90 to Ø 100)	-	0	-	-	18
32	Flexible pipe, Ø 100 (per metre)	-	0.4	-	-	3
33	Air silencer (inlet and outlet) Ø 100	-	0.5	-	-	20
34	Ducting union (connector) Ø 100	-	0.1	-	0.3	19
35	Y-piece, 45° (Ø 100 x Ø 100 x Ø 100)	-	-	-	0.5	9
36	Plastic reducer (for 4-piece & ducting union) (Ø 100 to Ø 75)	-	3.2	-	0.8	18.2

DUCTING RATING GUIDE FOR AIRTRONIC 5

Heater Rating 10

The sketch shows how the most important air ducting parts that can be used. They are not intended as examples of installation.



DUCTING RATING GUIDE FOR AIRTRONIC 5

DESIGNATION (measurements in millimeters)		COMPONENT RATING	
		1-duct	2-duct
Heating air ducting with reduction hood 90 dia. (heater rating 10)			
1	Grille	0.6	0.2
2	Connecting socket, metal, 100 dia.	0	0
3	Flexible pipe, 100 dia. per m	0.6	0.2
	Bend, 90° of flexible pipe, 100 dia.	0.6	-
4	Grille, 90x100 dia.*	0	-
5	Connector piece, 90 dia.	0	0
6	Flexible pipe, 90 dia. per m	1.0	0.25
	Bend, 90° of flexible pipe, 90 dia.	0.2	-
7	Silencer, 90 dia.	0.8	-
8	Spherical reduction hood, 90 dia.	8	-
9	Connector, 90 dia.	0.5	0.1
10	Silencer, 100 dia.	0.5	-
11	Connector, 100 dia.	0.4	0.1
12	Outlet grill (rotatable) 100 dia.	2	0.5
13	Outlet grill (rotatable) 90 dia.	2	0.5
14	Y-piece 100x100x100 dia.	-	0.5
15	T-piece 100x100x100 dia.	-	0.5
16	Y-piece 90x90x90 dia.	-	0.6
	Regulating valve 90x90x90 dia.		
17	Position "middle"	-	1.1
	Position "right/left"	1	-
18	Reduction piece, 100 dia. - 75 dia.	3.2	-
19	Flexible pipe, 75 dia. per m	4	1
	Bend, 90°- of flexible pipe, 75 dia.	-	0.5
20	Outlet grill (rotatable) 75 dia.	-	1.25
21	Connecting socket, metal, 75 dia.	0	0
22	Round outlet, 75 dia., closing	-	-
23	Connector, 90 dia.	0	0
24	Outlet grill	3	0.8

* Pos. 4 - if used as adapter 90 x 100 dia., cut out the mesh.

1

1

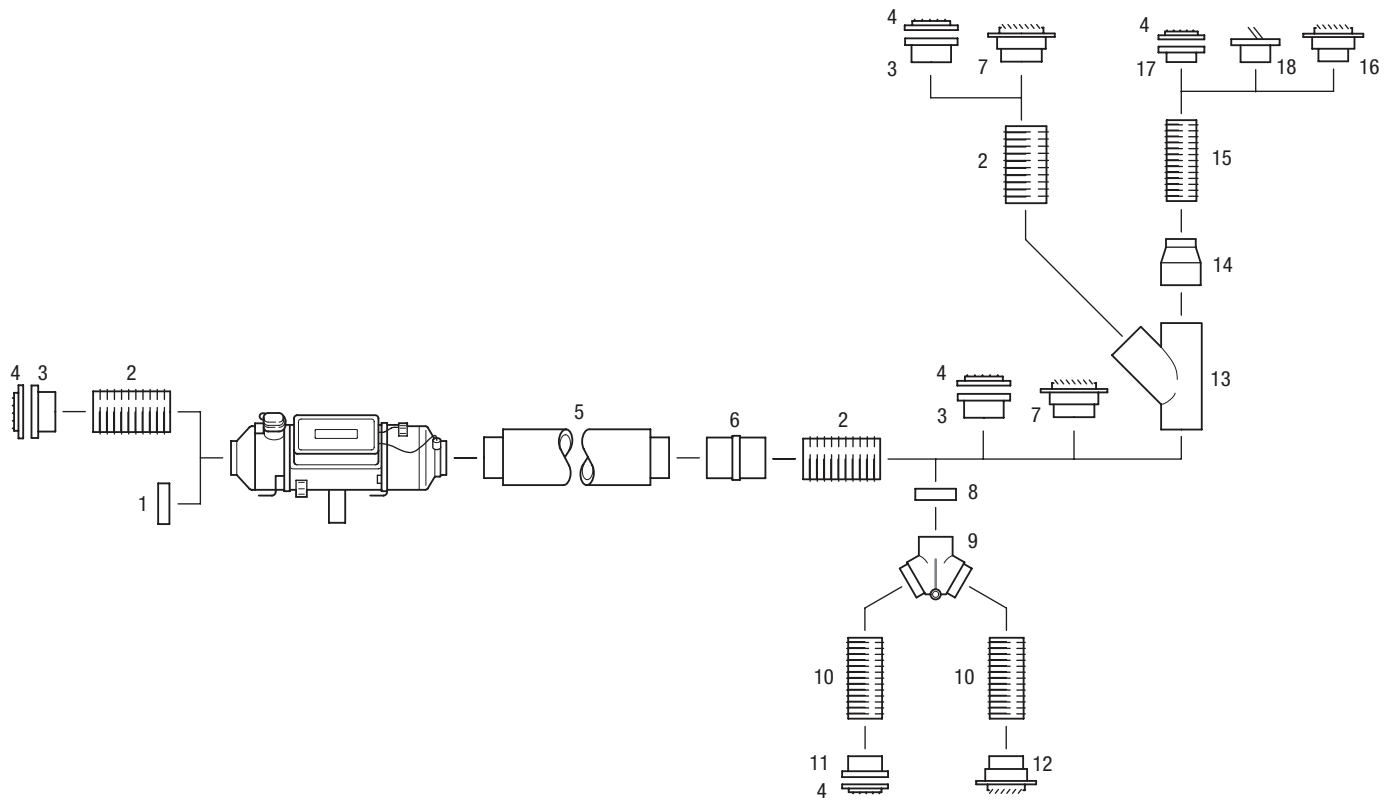
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3

DUCTING RATING GUIDE FOR D8LC

Heater Rating 8

The sketch shows how the most important air ducting parts that can be used. They are not intended as examples of installation.

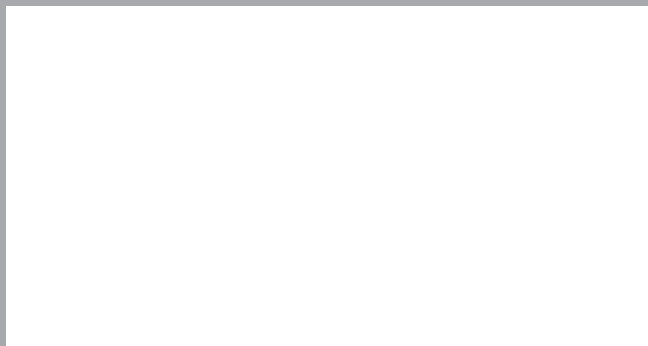


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- 1
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- 3

DUCTING RATING GUIDE FOR D8LC

	DESIGNATION (measurements in millimeters)	COMPONENT RATING	
		1-duct	2-duct
	Heating air ducting with reduction hood 90 dia. (heater rating 10)		
1	Grille, 100 dia.	0.1	-
2	Flexible pipe, 100 dia., per m	1.0	0.25
-	Pipe bend, 90°, of flex. pipe, 100 dia.	0.5	0.15
3	Connecting socket, metal, 100 dia.	0	0
4	Grille, painted, 100 dia.	1.8	0.1
-	Grille, nickel-plated, 100 dia.	1.8	0.1
5	Silencer, 100 dia.	1.1	0.25
6	Connector socket, 100 dia. 0.5 0.1		
7	Outlet grill (rotatable), 100 dia. 5.5 1.2		
8	Grille, 90x100 dia.* 0 -		
9	Regulating valve 100x100x100 dia. - 2.6		
10	Flexible pipe, 90 dia., per m 3 0.8		
11	Connecting socket, metal, 90 dia. 0 0		
12	Outlet grill (rotatable) 90 dia. - 1.4		
13	Y-pipe 100x100x100 dia. - 0.4		
14	Reduction piece, 100 dia. - 74 dia. 6.1 -		
15	Flexible pipe 75 dia. per m - 2		
-	Pipe bend, 90° of flex. pipe, 75 dia. - 1.1		
16	Outlet grill (rotatable) 75 dia. - -		
17	Connector socket, 75 dia. 0 0		
18	Connecting socket, metal, 75 dia. - -		

*Pos. 8 - if used as adapter 90x100 dia., cut out the mesh.



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